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MBS MODEL BUILDERS SUPPLY

Plastruct

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LADDERS Suitable for use on industrial structures or wherever ladders are required. Items are molded in dark grey ABS except **90671 and 90672 (LS-4)** which are molded in white styrene. Use in combination with LAD-DER CLIPS(clear)and SUPPORT FLANGES(medium grey).
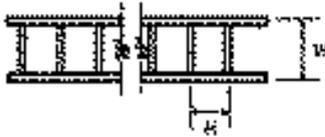
Order Code	Pkg.	Plastruct Code	Suggested Scale	Height "H" mm	in	Width "W" mm	in	Length mm	in
90671	2	LS-2	1/16", 1:200	3.2	5/64	4.0	5/32	75	3
90422	2	KL-4	1/8", 1:100	3.2	1/8	6.4	1/4	125	5
90672	2	LS-4	1/8",1:100	3.2	1/8	6.4	1/4	125	5
90423	2	KL-8	1/4", 1:48	6.4	1/4	10.3	13/32	375	15
90424	2	KL-12	3/8", 1:32	9.5	3/8	15.5	39/64	375	15
90425	2	KL-16	1/2", 1:24	12.7	1/2	19.1	3/4	375	15
90426	2	KL-24	3/4", 1:16	19.1	3/4	27.8	1 3/32	375	15

LADDER CLIPS› CLEAR

Order Code	Pkg.	To fit Ladder	Support Flange
LC-8	5	KL-8	SX-2
LC-12	5	KL-12	SX-3
LC-16	5	KL-16	SX-3
LC-24	5	KL-24	SX-3

SUPPORT FLANGES › MED.GREY
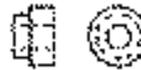
Order Code	Pkg.	To fit Ladder Clip
SX-2P	5	LC-2
SX-3P	5	LC-4-8

HANDRAILS Suitable for use on platforms, walkways, balconies and other elevated structures. Items are molded in dark grey ABS except **90681 and 90682 (HRS-4)** which are molded in white styrene. Can be used in combination with corresponding Stair rails (matching **Plastruct Code #**).
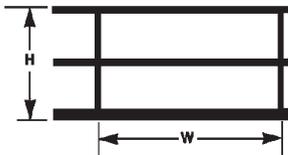
Order Code	Pkg.	Plastruct Code	Suggested Scale	Height "H" mm	in	Width "W" mm	in	Length mm	in
90681	2	HRS-2	1/16", 1:200	6.7	17/64	11.1	7/16	90	3 5/8
90472	2	HR-4	1/8", 1:100	11.1	7/16	19.1	3/4	150	6
90682	2	HRS-4	1/8 , 1:100	11.1	7/16	19.1	3/4	150	6
90473	1	HR-8	1/4", 1:48	23.0	29/32	38.1	1 1/2	600	24
90474	1	HR-12	3/8", 1:32	34.1	1 11/32	57.2	2 1/4	600	24
90475	1	HR-16	1/2", 1:24	44.5	1 3/4	76.2	3	600	24
90476	1	HR-24	3/4", 1:16	67.9	2 43/64	114.3	4 1/2	600	24

STAIR RAILS Suitable for use in combination with corresponding stairs and handrails (matching **Plastruct Code**). Items are molded in dark grey ABS except **90691 and 90692 (SRS-4)** which are molded in white styrene.
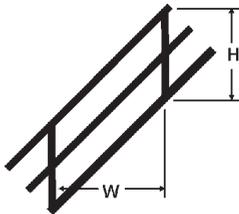
Order Code	Pkg.	Plastruct Code	Suggested Scale	Height "H" mm	in	Width "W" mm	in	Length mm	in
90691	2	SRS-2	1/16", 1:200	6.4	1/4	11.1	7/16	90	3 5/8
90482	2	SR-4	1/8", 1:100	10.7	27/64	19.1	3/4	150	6
90692	2	SRS-4	1/8 , 1:100	10.7	27/64	19.1	3/4	150	6
90483	1	SR-8	1/4", 1:48	22.2	7/8	38.1	1 1/2	600	24
90484	1	SR-12	3/8", 1:32	33.3	1 5/16	57.2	2 1/4	600	24
90485	1	SR-16	1/2", 1:24	44.5	1 3/4	76.2	3	600	24
90486	1	SR-24	1:16	67.5	2 21/32	114.3	4 1/2	600	24

STAIRS Open stairways found in industrial complexes, fire stairs, tanks, platforms and other open structures. Suitable for use in combination with corresponding stair rails (matching **Plastruct Code**). Items are molded in dark grey ABS except ***90661 and 90662 (STAS-4)** which are molded in white styrene.
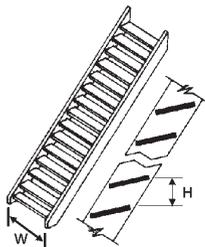
Order Code	Pkg.	Plastruct Code	Suggested Scale	Height "H" mm	in	Width "W" mm	in	Length mm	in
*90661	2	STAS-2	1/16", 1:200	2.4	3/32	5.6	7/32	75	3
90442	2	STA-4	1/8", 1:100	3.6	9/64	9.9	25/64	125	5
*90662	2	STAS-4	1/8", 1:100	3.6	9/64	9.9	25/64	125	5
90443	1	STA-6	1/4", 1:48	6.7	17/64	19.1	3/4	375	12
90444	1	STA-8	1/4", 1:48	6.7	17/64	22.2	7/8	375	12
90445	1	STA-12	3/8", 1:32	10.3	13/32	28.6	1 1/8	375	12
90446	1	STA-14	3/8", 1:32	10.3	13/32	33.3	1 5/16	375	12
90447	1	STA-16	1/2", 1:24	13.5	17/32	36.5	1 7/16	375	12
90448	1	STA-18	1/2", 1:24	13.5	17/32	42.9	1 11/16	375	12
90449	1	STA-20	3/4", 1:16	20.6	13/16	53.2	2 3/32	375	12
90450	1	STA-22	3/4", 1:16	20.6	13/16	62.7	2 15/32	375	12

STRUCTURAL SHAPES As principal distributor of Plastruct products in Canada, we offer and stock the widest [P] **Plastruct** selection of these items.

`ORIGINAL (dark grey) ABS` Suited to outdoor and professional applications where durability, longevity and flexibility are desirable. Larger sizes have somewhat thicker profiles than corresponding Fineline items.

`FINELINE (white) Styrene` Suited to smaller scale applications where profile accuracy, speed of assembly and cost are important.

`EMA (dark grey) ABS` Longer (30") and larger sizes (sold individually). (ie PSB). Use original code for 30" length ordering. Dimensional information is provided on the right side of the table.

	ORIGINAL (GREY ABS) (sold in packages)				FINELINE (WHITE STYRENE) (sold in packages)				DIMENSIONS			
	Order Code	Pkg. Qty.	Plastruct Code	Length mm	Length in	Order Code	Pkg. Qty.	Plastruct Code	Length mm	Length in	Size D mm	Size D in	Size W mm	Size W in

ANGLES

Order Code	Pkg. Qty.	Plastruct Code	mm	in	Order Code	Pkg. Qty.	Plastruct Code	mm	in	mm	in	mm	in
90001	10	A-1	250	10	90501	10	AFS-1	250	10	1.2	3/64	1.2	3/64
90002	10	A-2	250	10	90502	10	AFS-2	250	10	1.6	1/16	1.6	1/16
90003	8	A-3	380	15	90503	8	AFS-3	380	15	2.4	3/32	2.4	3/32
90004	7	A-4	380	15	90504	7	AFS-4	380	15	3.2	1/8	3.2	1/8
90005	5	A-6	600	24	90505	5	AFS-6	600	24	4.8	3/16	4.8	3/16
90006	4	A-8	600	24	90506	5	AFS-8	600	24	6.4	1/4	6.4	1/4
90007	4	A-10	600	24	90507	4	AFS-10	600	24	7.9	5/16	7.9	5/16
90008	3	A-12	600	24	90508	4	AFS-12	600	24	9.6	3/8	9.6	3/8

BEAMS

Order Code	Pkg. Qty.	Plastruct Code	mm	in	Order Code	Pkg. Qty.	Plastruct Code	mm	in	mm	in	mm	in
90021	10	B-2	250	10	90511	10	BFS-2	250	10	1.5	1/16	0.8	1.32
90022	8	B-3	250	10	90512	10	BFS-3	250	10	2.4	3/32	1.2	3/64
90023	7	B-4	380	15	90513	8	BFS-4	380	15	3.2	1/8	1.6	1/16
					90514	6	BFS-5	600	24	4.0	5/32	2.0	5/64
90024	5	B-6	600	24	90515	5	BFS-6	600	24	4.8	3/16	2.4	3/32
90025	4	B-8	600	24	90516	5	BFS-8	600	24	6.4	1/4	3.2	1/8
90026	4	B-10	380	15	90517	4	BFS-10	380	15	7.9	5/16	4.0	5/32
90027	5	B-12	380	15	90518	5	BFS-12	380	15	9.6	3/8	4.8	3/16
90028	4	B-14	380	15	90519	5	BFS-14	380	15	11.1	7/16	5.6	7/32
90029	4	B-16	380	15	90520	4	BFS-16	380	15	12.7	1/2	6.4	1/4
90030	4	B-18	380	15	90521	3	BFS-18	380	15	14.3	9/16	7.1	1/4
90031	3	B-20	380	15	90522	3	BFS-20	380	15	15.9	5/8	7.9	1/4
		PSB-24	762	30						19.0	3/4	7.9	5/16
		PSB-28	762	30						22.2	7/8	9.6	3/8
		PSB-32	762	30						25.4	1	9.6	3/8
		PSB-36	762	30						28.6	1-1/8	12.7	1/2

H > COLUMNS

Order Code	Pkg. Qty.	Plastruct Code	mm	in	Order Code	Pkg. Qty.	Plastruct Code	mm	in	mm	in	mm	in
90061	8	H-2	250	10	90541	10	HFS-2	250	10	1.6	1/16	1.6	1/16
90062	6	H-3	380	15	90542	10	HFS-3	380	15	2.4	3/32	2.4	3/32
90063	5	H-4	380	15	90543	8	HFS-4	380	15	3.2	1/8	3.2	1/8
					90544	6	HFS-5	380	15	4.0	5/32	4.0	5/32
90064	4	H-6	380	15	90545	5	HFS-6	380	15	4.8	3/16	4.8	3/16
90065	5	H-8	380	15	90546	5	HFS-8	600	24	6.4	1/4	6.4	1/4
90066	5	H-10	380	15	90547	5	HFS-10	380	15	7.9	5/16	7.9	5/16
90067	4	H-12	380	15	90548	4	HFS-12	380	15	9.6	3/8	9.6	3/8
		PSH-14	762	30						11.1	7/16	11.1	7/16
		PSH-16	762	30						12.7	1/2	12.7	1/2
		PSH-18	762	30						14.3	9/16	14.3	9/16
		PSH-20	762	30						15.9	5/8	15.9	5/8
		PSH-24	762	30						19.0	3/4	19.0	3/4
		PSH-28	762	30						22.2	7/8	22.2	7/8
		PSH-32	762	30						25.4	1	25.4	1
		PSH-36	762	30						28.6	1-1/8	28.6	1-1/8

CHANNELS

Order Code	Pkg. Qty.	Plastruct Code	mm	in	Order Code	Pkg. Qty.	Plastruct Code	mm	in	mm	in	mm	in
90041	10	C-2	250	10	90531	10	CFS-2	250	10	1.5	1/16	0.9	.035
90042	8	C-3	250	10	90532	10	CFS-3	250	10	2.4	3/32	1.0	.040
90043	7	C-4	380	15	90533	8	CFS-4	380	15	3.2	1/8	1.3	.050
					90534	6	CFS-5	380	15	4.0	5/32	1.4	.055
90044	5	C-6	380	15	90535	5	CFS-6	380	15	4.8	3/16	1.6	1/16
90045	4	C-8	600	24	90536	5	CFS-8	600	24	6.4	1/4	2.0	5/64
90046	4	C-10	600	24	90537	4	CFS-10	600	24	7.9	5/16	2.4	3/32
		PSC-12	762	30						9.6	3/8	2.4	3/32
		PSC-14	11.1	30						11.1	7/16	3.2	1/8
		PSC-16	762	30						12.7	1/2	3.2	1/8
		PSC-18	762	30						14.3	9/16	3.2	1/8
		PSC-20	762	30						15.9	5/8	5.7	3/16
		PSC-24	762	30						19.0	3/4	5.7	3/16

MORE STRUCTURAL SHAPES   Shapes like Zees and U-channels are only available in the Fineline styrene line. **Plastruct**
Also, the items coded FPH and FPB are ABS but coloured a lighter grey than the other ABS shapes. Please refer to
the right side of the table for actual dimensions. Package quantities are listed in the tables below, beside the order codes.

		ORIGINAL (GREY ABS) (sold in packages)				FINELINE (WHITE STYRENE) (sold in packages)					DIMENSIONS			
	Order Code	Pkg. Qty	Plastruct Code	Length mm	in	Order Code	Pkg. Qty	Plastruct Code	Length mm	in	Size D mm	in	Size W mm	in
TEES	90081	10	T-1	250	10	90561	10	TFS-1	250	10	1.2	3/64	1.2	3/64
	90082	8	T-2	250	10	90562	10	TFS-2	250	10	1.6	1/16	1.6	1/16
	90083	8	T-3	380	15	90563	8	TFS-3	380	15	2.4	3/32	2.4	3/32
	90084	7	T-4	380	15	90564	7	TFS-4	380	15	3.2	1/8	3.2	1/8
	90085	5	T-6	600	24	90565	5	TFS-6	600	24	4.8	3/16	4.8	3/16
	90086	4	T-8	600	24	90566	5	TFS-8	600	24	6.4	1/4	6.4	1/4
U › CHANNEL	GREY ABS N/A ›					90581	10	UFS-2	250	10	1.6	1/16	1.1	.043
						90582	10	UFS-3	250	10	2.4	3/32	1.7	.065
						90583	8	UFS-4	380	15	3.2	1/8	2.3	.089
						90584	5	UFS-6	380	15	4.8	3/16	3.4	.135
						90585	5	UFS-8	600	24	6.4	1/4	4.6	.180
ZEES	GREY ABS N/A ›					90591	10	ZFS-2	600	24	1.6	1/16	1.0	.039
						90592	9	ZFS-3	600	24	2.4	3/32	1.4	.057
						90593	8	ZFS-4	600	24	3.2	1/8	2.0	.077
						90594	5	ZFS-6	380	15	4.8	3/16	2.7	.108
						90595	5	ZFS-8	380	15	6.4	1/4	3.7	.145
SQUARE TUBING	90201	7	ST-4	380	15	90621	7	STFS-4	380	15	3.2	1/8	3.2	1/8
	90202	6	ST-6	380	15	90622	6	STFS-6	380	15	4.8	3/16	4.8	3/16
	90203	5	ST-8	380	15	90623	5	STFS-8	380	15	6.4	1/4	6.4	1/4
	90204	4	ST-10	380	15	90624	5	STFS-10	380	15	7.9	5/16	7.9	5/16
	90205	4	ST-12	380	15	90625	4	STFS-12	380	15	9.6	3/8	9.6	3/8
			FPH-14	762	30						11.1	7/16	11.1	7/16
			FPH-16	762	30						12.7	1/2	12.7	1/2
			FPH-18	762	30			Use Plastruct codes for ordering these FPH items			14.3	9/16	14.3	9/16
			FPH-20	762	30						15.9	5/8	15.9	5/8
			FPH-24	762	30						19.0	3/4	19.0	3/4
			FPH-28	762	30						22.2	7/8	22.2	7/8
			FPH-32	762	30						25.4	1	25.4	1
			FPH-36	762	30						28.6	1-1/8	28.6	1-1/8
			FPH-40	762	30						31.8	1-1/4	31.8	1-1/4
CLEAR ACRYLIC SQUARE TUB ›	90241	5	CST-4	380	15						3.2	1/8	3.2	1/8
	90242	5	CST-6	380	15						4.8	3/16	4.8	3/16
	90243	4	CST-8	380	15						6.4	1/4	6.4	1/4
RECTANGULAR TUBING	90221	6	RT-8	380	15	90631	5	RTFS-8	380	15	6.4	1/4	4.8	3/16
	90222	5	RT-10	380	15	90632	5	RTFS-10	380	15	7.9	5/16	6.4	1/4
	90223	5	RT-12	380	15	90633	4	RTFS-12	380	15	9.6	3/8	6.4	1/4
			FPB-14	762	30						11.1	7/16	6.4	1/4
			FPB-16	762	30						12.7	1/2	6.4	1/4
			FPB-18	762	30			Use Plastruct codes for ordering these FPB items			14.3	9/16	6.4	1/4
			FPB-19	762	30						14.3	9/16	9.6	3/8
			FPB-20	762	30						15.9	5/8	6.4	1/4
			FPB-21	762	30						15.9	5/8	12.7	1/2
			FPB-24	762	30						19.1	3/4	9.6	3/8
			FPB-26	762	30						19.1	3/4	14.3	9/16
			FPB-28	762	30						22.2	7/8	9.6	3/8
			FPB-29	762	30						22.2	7/8	15.9	5/8
			FPB-32	762	30						25.4	1	9.6	3/8
			FPB-33	762	30						25.4	1	9.0	3/4
			FPB-36	762	30						28.6	1-1/8	9.6	3/8
			FPB-37	762	30						28.6	1-1/8	19.1	3/4

ABS COLUMN BLOCKS

Use to quickly and effectively mount verticla square tubing (codes ST-12 thru ST-24) to your model base. Also used for concrete blocks, lamp base etc. Injection molded lt.grey ABS.
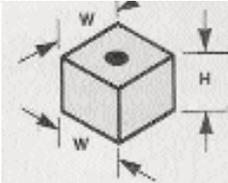
CODE	ACTUAL SIZE				TO FIT TUBE
	'H'		'W'		
CB-12	3/8"	9.5mm	9/32"	7.1mm	12
CB-14	3/8"	9.5mm	5/16"	7.9mm	14
CB-16	3/8"	9.5mm	3/8"	9.5mm	16
CB-18	1/2"	12.7mm	7/16"	11.1mm	18
CB-20	1/2"	12.7mm	1/2"	12.7mm	20
CB-24	5/8"	15.9mm	5/8"	15.9mm	24

ABS COLUMN BASE MOUNTS

Use to quickly and effectively mount vertical columns (codes H-4 thru H-24 (PSH)) to your model base. Precission injection molded in dark grey ABS plastic. 5 PCS. PER PACK

Code	To fit 'H' (PSH) Column
BM-4P	4
BM-6P	6
BM-8P	8
BM-10P	10
BM-12P	12 & 14
BM-18P	16 & 18
BM-20P	20 & 24

CONSTRUCTION STUDY FITTINGS

This quick & easy (re-usable) system provides flexibility as a 3D design tool allowing designers to facilitate the structure arrangement and layout of equipment. Designed to work only with our H-12 & B-10 structural columns. Dark grey ABS Sold as singles
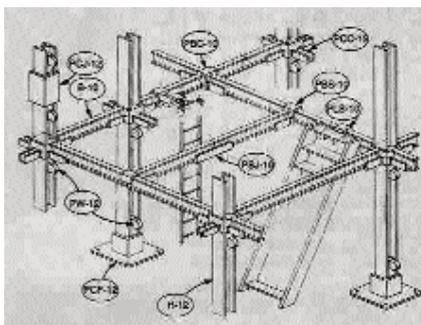
Column Footer CODE: PCF-12
Provides a firm support for H-12. May be temporarily positioned with double stick tape. Use PW-12 for secure fit.

Column Cross CODE: PCC-12
Provides a quick and easy way to attach B-10 cross members to H-12 columns. Use PW-12 for secure fit.

Column Splice CODE: PCJ-12
Provides a quick and easy way to attach two H-12 columns together. Use PW-12 for secure fit.

Column Wedge CODE: PW-12
Acts as a locking wedge for securing the Column Footer, Column Cross or Column Splice to the column.

Beam Cross CODE: PBC-10
Snaps over primary B-10 members to allow easy installation of secondary B-10 members.

Beam Support CODE: PBS-10
Snaps over primary B-10 members to allow easy installation of secondary B-10 members.

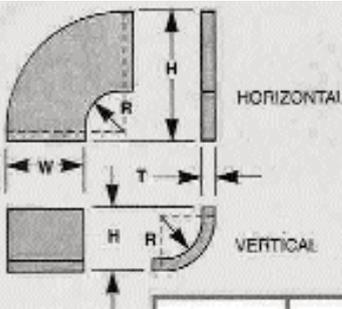**Beam Splice** CODE: PBJ-10
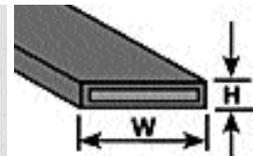Provides a firm support for joining two B-10 members together.

Ladder Support CODE: PLS-10
Provides a firm support for a ladder or stair by snaping over a B-10 member.

RECTANGULAR ABS TUBE & ELBOWS

HORIZONTAL

VERTICAL

Designed for use with our CT-27 in industrial settings to represent electrical cable trays or ducting. Also useful for creating turbines and various other industrial equipment. Precision Injection Molded in Medium Green ABS Plastic.

Also available in clear, add a 'C' to the code

CODE	ACTUALSIZE								STYLE
	'H'		'W'		'T'		'R'		
EHB-12	1-3/8"	34.9mm	27/32"	21.4mm	9/64"	3.6mm	3/8"	9.5mm	Horizontal
EHB-24	1-3/4"	44.5mm	27/32"	21.4mm	9/64"	3.6mm	3/4"	19.1mm	Horizontal
EVB-12	11/16"	17.5mm	27/32"	21.4mm	9/64"	3.6mm	3/8"	9.5mm	Vertical
EVB-24	1"	25.4mm	27/32"	21.4mm	9/64"	3.6mm	3/4"	19.1mm	Vertical

Use to represent cable trays in electrical power plants, or any other rectangular ducting. Use with EVBs & EHBs length 30" (750mm)
**Code: ET-26 (green)
ET-26C (clear)**

Plastruct

STRUCTURAL SHAPES > TUBING

The WHITE BUTYRATE tubing is included in the ORIGINAL ABS line of structural shapes. Butyrate as a plastic has very similar properties to ABS and can be treated in the same fashion. Requires cutting with a saw.

Note that the FINELINE series features much slimmer wall thicknesses and a matte finish compared with the gloss finish butyrate tubing. FINELINE tubing can be cut easily by scoring with a sharp knife.

WHITE BUTYRATE
&
FINELINE STYRENE

WHITE BUTYRATE > 375mm/15 long (sold in packages)

Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	in	I.D. mm	in	Wall Thick. mm	in
90101	15	TB-1	1.2	3/64	N/A	N/A	N/A	N/A
90102	12	TB-2	1.6	1/16	N/A	N/A	N/A	N/A
90103	10	TB-3	2.4	3/32	1.3	.050	0.5	.020
90104	10	TB-4	3.2	1/8	1.6	1/16	0.8	1/32
90105	9	TB-6	4.8	3/16	2.4	3/32	1.2	3/64
90106	7	TB-8	6.4	1/4	3.2	1/8	1.6	1/16
90107	6	TB-10	7.9	5/16	4.8	3/16	1.6	1/16
90108	5	TB-12	9.5	3/8	6.4	1/4	1.6	1/16

FINELINE (STYRENE) > 375mm/15 long (sold in packages)

Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	in	I.D. mm	in	Wall Thick. mm	in
90603	15	TBFS-3	2.4	3/32	1.4	.056	0.5	.018
90604	10	TBFS-4	3.2	1/8	1.9	.076	0.6	.025
90605	8	TBFS-6	4.8	3/16	3.4	.133	0.7	.027
90606	7	TBFS-8	6.4	1/4	4.9	.193	0.7	.028
90607	6	TBFS-10	7.9	5/16	6.4	1/4	0.8	1/32
90608	5	TBFS-12	9.5	3/8	8.3	21/64	0.8	1/32

COLOURED BUTYRATE TUBING > 750 mm /30 long (SOLD INDIVIDUAL >

COLOUR CODES
*R Red
*Y Yellow
*B Blue
*G Green
*O Orange
*W White
BK Black
BR Brown
VG Grey
*Available up to 200

Order Code	O.D. mm	in	I.D. mm	in	Wall Thick. mm	in
P-( )-1	1.2	3/64	N/A	N/A	N/A	N/A
P-( )-2	1.6	1/16	N/A	N/A	N/A	N/A
P-( )-3	2.4	3/32	1.3	.050	0.5	.020
P-( )-4	3.2	1/8	1.6	1/16	0.8	1/32
P-( )-6	4.8	3/16	2.4	3/32	1.2	3/64
P-( )-8	6.4	1/4	3.2	1/8	1.6	1/16
P-( )-10	7.9	5/16	4.8	3/16	1.6	1/16
P-( )-12	9.5	3/8	6.4	1/4	1.6	1/16
P-( )-14	11.1	7/16	7.9	5/16	1.6	1/16
P-( )-16	12.7	1/2	9.5	3/8	1.6	1/16

Order Code	O.D. mm	in	I.D. mm	in	Wall Thick. mm	in
P-( )-18	14.3	9/16	11.1	7/16	1.6	1/16
P-( )-20	15.9	5/8	12.7	1/2	1.6	1/16
P-( )-24	19.1	3/4	15.9	5/8	1.6	1/16
P-( )-28	22.2	7/8	19.1	3/4	1.6	1/16
P-( )-32	25.4	1	22.2	7/8	1.6	1/16
P-( )-36	28.6	1 1/8	25.4	1	1.6	1/16
P-( )-40	31.8	1 1/4	28.6	1 1/8	1.6	1/16
P-( )-150	38.1	1 1/2	33.7	1 21/64	0.8	1/32
P-( )-175	44.5	1 3/4	40.1	1 37/64	0.8	1/32
P-( )-200	50.8	2	46.4	1 53/64	0.8	1/32

PLEASE NOTE : When ordering the COLOURED BUTYRATE TUBING (above), the colour code replaces the brackets in the order code.
For example: A **Black** piece of **P-( )-24** would be ordered as **P-BK-24**

CLEAR ACRYLIC TUBING > 375 MM /15 long (SOLD IN PACKAGES)

Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	in	I.D. mm	in	Wall Thick mm	in
90131	10	CTB-3	2.4	3/32	1.3	.050	0.5	.020
90132	10	CTB-4	3.2	1/8	1.6	1/16	0.8	1/32

Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	in	I.D. mm	in	Wall Thick. mm	in
90133	7	CTB-6	4.8	3/16	2.4	3/32	1.2	3/64
90134	5	CTB-8	6.4	1/4	3.2	1/8	1.6	1/16

HALF > ROUND TUBING > 375 MM /15 long (SOLD IN PACKAGES)   GREY

Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	in	I.D. mm	in	Wall Thick mm	in
90171	4	HP-3	4.8	3/16	2.4	3/32	1.2	3/64
90172	4	HP-4	6.4	1/4	3.2	1/8	1.6	1/16
90173	4	HP-6	7.9	5/16	4.8	3/16	1.6	1/16

Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	in	I.D. mm	in	WallThick. mm	in
90174	3	HP-8	9.5	3/8	6.4	1/4	1.6	1/16
90175	3	HP-10	11.1	7/16	7.9	5/16	1.6	1/16
90176	3	HP-12	12.7	1/2	9.5	3/8	1.6	1/16

BRASS INSERT STIFFENING

(sold in packages)

Order Code	Pkg. Qty.	Plastruct Code	Length mm	in	Fits tube
90121	10	MIW-1	375	15	TB3
90122	10	MIW-2	375	15	TB4

NOTE: Designed for insertion into TB-3 & TB-4 P-()-3 & P-()-4 Butyrate tubing to add stiffness and allow bending to any configuration.

MBS MODEL BUILDERS SUPPLY
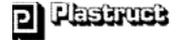
STRUCTURAL SHAPES › SOLID STYRENE ROD

All of the items on this page are accurately extruded in **WHITE STYRENE**, the same material as the FINELINE series. Extremely useful in a wide variety of scratchbuilding applications, most sizes can be cut with a knife (up to 3.2mm/1/8" thicknesses) and bonded using solvent cement (APSC-1). Sold in packages only.

SOLID STYRENE ROUND ROD, 250 mm /10   (SOLD IN PACK >

Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	O.D. in	Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	O.D. in	Order Code	Pkg. Qty.	Plastruct Code	mm	in
90850	10	MR-10	0.3	.010	90855	10	MR-40	1.0	.040	90861	5	MR-125	3.2	1/8
90849	10	MR-15	0.4	.015	90856	10	MR-45	1.1	.045	90862	5	MR-160	4.0	5/32
90851	10	MR-20	0.5	.020	90857	10	MR-50	1.3	.050	90863	5	MR-190	4.8	3/16
90852	10	MR-25	0.6	.025	90858	10	MR-60	1.5	.060	90864	5	MR-250	6.4	1/4
90853	10	MR-30	0.8	.030	90859	5	MR-80	2.0	.080					

SOLID STYRENE HALF›ROUND ROD, 250 mm /10   (SOLD IN PACKAGES)
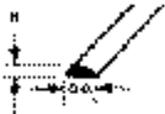
Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	O.D. in	Height "H" mm	Height "H" in	Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	O.D. in	Height "H" mm	Height "H" in
90879	10	MRH-30	0.8	.030	0.4	.015	90884	5	MRH-125	3.2	1/8	1.6	1/16
90880	10	MRH-40	1.0	.040	0.5	.020	90885	5	MRH-160	4.0	5/32	2.0	5/64
90881	10	MRH-60	1.5	.060	0.8	.030	90886	5	MRH-190	4.8	3/16	2.4	3/32
90882	10	MRH-80	2.0	.080	1.0	.040	90887	5	MRH-250	6.4	1/4	3.2	1/8
90883	10	MRH-100	2.5	.100	1.3	.050							

SOLID STYRENE QUARTER›ROUND ROD, 250mm/10   (sold in pack

Order Code	Pkg.	Original Code	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in	Order Code	Pkg.	Original Code	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in
90891	10	MRQ-30	0.8	.030	0.8	.030	90894	10	MRQ-80	2.0	.080	2.0	.080
90892	10	MRQ-40	1.0	.040	1.0	.040	90895	5	MRQ-100	2.5	.100	2.5	.100
90893	10	MRQ-60	1.5	.060	1.5	.060	90896	5	MRQ-125	3.2	1/8	3.2	1/8

SOLID STYRENE TRIANGULAR ROD, 250mm/10   (sold in packages)

Order Code	Pkg.	Original Code	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in	Order Code	Pkg.	Original Code	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in
90841	10	MRT-30	0.8	.030	0.8	.030	90844	10	MRT-80	2.0	.080	2.0	.080
90842	10	MRT-40	1.0	.040	1.0	.040	90845	5	MRT-100	2.5	.100	2.5	.100
90843	10	MRT-60	1.5	.060	1.5	.060	90846	5	MRT-125	3.2	1/8	3.2	1/8

SOLID STYRENE HEXAGONAL ROD, 250mm/10   (sold in packages)

Order Code	Pkg.	Original Code	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in	Order Code	Pkg.	Original Code	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in
90871	10	MRX-20	0.5	.020	0.5	.020	90875	10	MRX-80	2.0	.080	2.0	.080
90872	10	MRX-30	0.8	.030	0.8	.030	90876	5	MRX-100	2.5	.100	2.5	.100
90873	10	MRX-40	1.0	.040	1.0	.040	90877	5	MRX-125	3.2	1/8	3.2	1/8
90874	10	MRX-60	1.5	.060	1.5	.060							

SOLID STYRENE SQUARE ROD, 250mm/10   (sold in packages)

Order Code	Pkg.	Original Code	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in	Order Code	Pkg.	Original Code	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in
90709	10	MS-10	0.3	.010	0.3	.010	90770	10	MS-100	2.5	.100	2.5	.100
90720	10	MS-20	0.5	.020	0.5	.020	90780	10	MS-125	3.2	1/8	3.2	1/8
90730	10	MS-30	0.8	.030	0.8	.030	90790	5	MS-160	4.0	5/32	4.0	5/32
90740	10	MS-40	1.0	.040	1.0	.040	90800	5	MS-190	4.8	3/16	4.8	3/16
90750	10	MS-60	1.5	.060	1.5	.060	90810	5	MS-250	6.4	1/4	6.4	1/4
90760	10	MS-80	2.0	.080	2.0	.080							

STRUCTURAL SHAPES > STRIP STOCK   Styrene microstrip is invaluable to the scratchbuilder as it allows accurately scaled construction of details and complex shapes, particularly in smaller scale work. Microstrip can be built up in layers to form unique profiles such as window framing or cornices. All microstrip is **WHITE STYRENE** to complement the FINELINE series of structural profiles. Sold in packages only.

Plastruct

SOLID STYRENE MICROSTRIP & STRIP STOCK, 250mm/10   (sold in pack

Order Code	Pkg. Qty.	Plastruct Code	Height "H" mm	Height "H" in	Width "W" mm	Width "W" in	Order Code	Pkg. Qty.	Plastruct Code	Height "H" mm	Height "H" in	Width "W" mm	Width "W" in
90710	10	MS-102	0.3	.010	0.5	.020	90744	10	MS-408	1.0	.040	2.0	.080
90711	10	MS-103	0.3	.010	0.8	.030	90745	10	MS-410	1.0	.040	2.5	.100
90712	10	MS-104	0.3	.010	1.0	.040	90746	10	MS-412	1.0	.040	3.2	1/8
90713	10	MS-106	0.3	.010	1.5	.060	90747	10	MS-416	1.0	.040	4.0	5/32
90714	10	MS-108	0.3	.010	2.0	.080	90748	10	MS-419	1.0	.040	4.8	3/16
90715	10	MS-110	0.3	.010	2.5	.100	90749	10	MS-425	1.0	.040	6.4	1/4
90716	10	MS-112	0.3	.010	3.2	1/8	90754	10	MS-608	1.5	.060	2.0	.080
90717	10	MS-116	0.3	.010	4.0	5/32	90755	10	MS-610	1.5	.060	2.5	.100
90718	10	MS-119	0.3	.010	4.8	3/16	90756	10	MS-612	1.5	.060	3.2	1/8
90719	10	MS-122	0.3	.010	6.4	1/4	90757	10	MS-616	1.5	.060	4.0	5/32
90721	10	MS-203	0.5	.020	0.8	.030	90758	10	MS-619	1.5	.060	4.8	3/16
90722	10	MS-204	0.5	.020	1.0	.040	90759	10	MS-625	1.5	.060	6.4	1/4
90723	10	MS-206	0.5	.020	1.5	.060	90765	10	MS-810	2.0	.080	2.5	.100
90724	10	MS-208	0.5	.020	2.0	.080	90766	10	MS-812	2.0	.080	3.2	1/8
90725	10	MS-210	0.5	.020	2.5	.100	90767	10	MS-816	2.0	.080	4.0	5/32
90726	10	MS-212	0.5	.020	3.2	1/8	90768	10	MS-819	2.0	.080	4.8	3/16
90727	10	MS-216	0.5	.020	4.0	5/32	90769	10	MS-825	2.0	.080	6.4	1/4
90728	10	MS-219	0.5	.020	4.8	3/16	90776	10	MS-1012	2.5	.100	3.2	1/8
90729	10	MS-225	0.5	.020	6.4	1/4	90777	10	MS-1016	2.5	.100	4.0	5/32
90732	10	MS-304	0.8	.030	1.0	.040	90778	10	MS-1019	2.5	.100	4.8	3/16
90733	10	MS-306	0.8	.030	1.5	.060	90779	10	MS-1025	2.5	.100	6.4	1/4
90734	10	MS-308	0.8	.030	2.0	.080	90787	10	MS-1216	3.2	1/8	4.0	5/32
90735	10	MS-310	0.8	.030	2.5	.100	90788	10	MS-1219	3.2	1/8	4.8	3/16
90736	10	MS-312	0.8	.030	3.2	1/8	90789	10	MS-1225	3.2	1/8	6.4	1/4
90737	10	MS-316	0.8	.030	4.0	5/32	90798	5	MS-1619	4.0	5/32	4.8	3/16
90738	10	MS-319	0.8	.030	4.8	3/16	90799	5	MS-1625	4.0	5/32	6.4	1/4
90739	10	MS-325	0.8	.030	6.4	1/4	90709	5	MS-1925	6.4	1/4	6.4	1/4
90743	10	MS-406	1.0	.040	1.5	.060							

TRADITIONAL ABS STRIP STOCK, 600mm/24   (sold in pack

Order Code	Pkg. Qty.	Plastruct Code	Width "W" mm	Width "W" in	Thickness "T" mm	Thickness "T" in	Colour
90361	5	STSC-1	31.8	1 1/4	0.5	.020	Light Grey
90362	4	STSC-2	31.8	1 1/4	0.8	.030	Light Grey
90365	5	STSS-1	31.8	1 1/4	0.5	.020	Dark Grey
90366	4	STSS-2	31.8	1 1/4	0.8	.030	Dark Grey

FINELINE STYRENE STRIP STOCK, 600mm/24   (sold in pack

Order Code	Pkg. Qty.	Plastructl Code	Width "W" mm	Width "W" in	Thickness "T" mm	Thickness "T" in	Colour
90641	5	STS-1	31.8	1 1/4	0.5	.020	White
90642	5	STS-2	31.8	1 1/4	0.8	.030	White

SOLID ABS RECTANGULAR & SQUARE ROD, 750mm/30   (sold individual

Order Code	Height "H" mm	Height "H" in	Width "W" mm	Width "W" in	Colour
USG-4	3.2	1/8	3.2	1/8	Dark Grey
USG-8	3.2	1/8	6.4	1/4	Dark Grey
USG-12	3.2	1/8	9.5	3/8	Dark Grey

INDUSTRIAL SCALE FIG > URES   Generally intended for use with engineering/industrial models, these figures are accurately detailed and can be used in railroad and diarama modelling. Injection moulded in tan coloured ABS plastic.

Standing   Reaching

Order Code	Scale	Description	Pkg.
93311	1/4", 1:50	Standing figure	3
93301	1/4", 1:50	Reaching figure	3
93312	3/8", 1:32	Standing figure	2
93302	3/8", 1:32	Reaching figure	2
93313	1/2", 1:24	Standing figure	2
93303	1/2", 1:24	Reaching figure	2
93314	3/4", 1:16	Standing figure	1
93304	3/4", 1:16	Reaching figure	1

VESSEL HEADS (DOMES)   Precision molded domes in hemispherical, elliptical, and dished forms. Originally intended for use as vertical or horizontal tank ends for storage tanks in oil, gas, and chemical processing plants, these domes have found a wide variety of applications especially in special effects work. In-stock item diameters range from 9.5 mm to 152 mm (3/8" to 6"). Sizes up to 227 mm (9") are available on a special order basis. Items up to 152 mm (6") are available either in clear acrylic or grey ABS. PLASTRUCT items sold in package quantities as listed, EMA items sold individually. Wall thickness of these domes is 3.2 mm (1/8"), somewhat thinner for sizes under 25 mm (1"). 158-228 mm - 6 1/4"-9" also available in grey only.
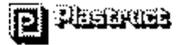
Plastruct

HEMISPHERICAL VESSEL HEADS

ELLIPTICAL VESSEL HEADS

PLASTRUCT (Clear acrylic) Order code	Pkg.	EMA (Grey ABS) Order code	Outside dia. "O.D" mm	in	Height "H" mm	in
95841	5	VHH-12	9.5	3/8	4.8	3/16
95842	5	VHH-14	11.1	7/16	5.6	7/32
95843	5	VHH-16	12.7	1/2	6.4	1/4
95844	5	VHH-18	14.3	9/16	7.1	9/32
95845	5	VHH-20	15.9	5/8	7.9	5/16
95846	5	VHH-24	19.1	3/4	9.5	3/8
95847	5	VHH-28	22.2	7/8	11.1	7/16
95848	5	VHH-32	25.4	1	12.7	1/2
95849	5	VHH-36	28.6	1 1/8	14.3	9/16
95840	5	VHH-40	31.8	1 1/4	15.9	5/8
95851	5	VHH-48	38.1	1 1/2	19.1	3/4
N/A		VHH-175	44.5	1 3/4	22.2	7/8
95855	2	VHH-200	50.8	2	25.4	1
N/A		VHH-225	57.2	2 1/4	28.6	1 1/8
N/A		VHH-250	63.5	2 1/2	31.8	1 1/4
N/A		VHH-275	69.9	2 3/4	34.9	1 3/8
95859	2	VHH-300	76.2	3	38.1	1 1/2
N/A		VHH-325	82.6	3 1/4	41.3	1 5/8
N/A		VHH-350	88.9	3 1/2	44.5	1 3/4
N/A		VHH-375	95.3	3 3/4	47.6	1 7/8
95863	1	VHH-400	101.6	4	50.8	2
N/A		VHH-425	108	4 1/4	54.0	2 1/8
N/A		VHH-450	114.3	4 1/2	57.2	2 1/4
N/A		VHH-475	120.7	4 3/4	60.3	2 3/8
95867	1	VHH-500	127	5	63.5	2 1/2
N/A		VHH-525	133.4	5 1/4	66.7	2 5/8
N/A		VHH-550	139.7	5 1/2	69.9	2 3/4
N/A		VHH-575	146.1	5 3/4	73.0	2 7/8
95871	1	VHH-600	152.4	6	76.2	3

PLASTRUCT (Clear acrylic) Order code	Pkg.	EMA (Grey butyrate) Order code	Outside dia. "O.D" mm	in	Height "H" mm	in
95741	5	VHE-12	9.5	3/8	2.0	.080
95742	5	VHE-14	11.1	7/16	2.5	.100
95743	5	VHE-16	12.7	1/2	2.8	.110
95744	5	VHE-18	14.3	9/16	3.4	.135
95745	5	VHE-20	15.9	5/8	3.7	.145
95746	5	VHE-24	19.1	3/4	4.6	.180
95747	5	VHE-28	22.2	7/8	5.2	13/64
95748	5	VHE-32	25.4	1	6.0	15/64
95749	5	VHE-36	28.6	1 1/8	6.7	17/64
95750	5	VHE-40	31.8	1 1/4	7.5	19/64
95751	5	VHE-150	38.1	1 1/2	8.3	21/64
N/A		VHE-175	44.5	1 3/4	10.7	27/64
95755	2	VHE-200	50.8	2	12.7	1/2
N/A		VHE-225	57.2	2 1/4	14.3	9/16
N/A		VHE-250	63.5	2 1/2	15.9	5/8
N/A		VHE-275	69.9	2 3/4	17.1	43/64
95759	2	VHE-300	76.2	3	19.1	3/4
N/A		VHE-325	82.6	3 1/4	20.2	51/64
N/A		VHE-350	88.9	3 1/2	22.2	7/8
N/A		VHE-375	95.3	3 3/4	23.8	15/16
95763	1	VHE-400	101.6	4	25.0	63/64
N/A		VHE-425	108	4 1/4	27.0	1 1/16
N/A		VHE-450	114.3	4 1/2	27.8	1 3/32
N/A		VHE-475	120.7	4 3/4	29.8	1 11/64
95767	1	VHE-500	127	5	31.8	1 1/4
N/A		VHE-525	133.4	5 1/4	33.3	1 5/16
N/A		VHE-550	139.7	5 1/2	35.7	1 13/32
N/A		VHE-575	146.1	5 3/4	36.5	1 7/16
95771	1	VHE-600	152.4	6	38.1	1 1/2
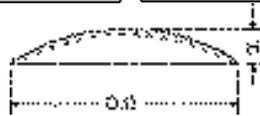
DISHED VESSEL HEADS

PLASTRUCT (Clear acrylic) Order code	Pkg.	EMA (Grey butyrate) Order code	Outside dia. "O.D" mm	in	Height "H" mm	in
N/A	1	VHD-175	44.5	1 3/4	7.9	5/16
95805	2	VHD-200	50.8	2	8.7	11/32
N/A	1	VHD-225	57.2	2 1/4	9.9	25/64
N/A	1	VHD-250	63.5	2 1/2	11.1	7/16
N/A	1	VHD-275	69.9	2 3/4	11.5	29/64
95809	2	VHD-300	76.2	3	13.1	33/64
N/A	1	VHD-325	82.6	3 1/4	13.9	35/64
N/A	1	VHD-350	88.9	3 1/2	15.1	19/32
N/A	1	VHD-375	95.3	3 3/4	15.9	5/8

PLASTRUCT (Clear acrylic) Order code	Pkg.	EMA (Grey butyrate) Order code	Outside dia. "O.D" mm	in	Height "H" mm	in
95813	1	VHD-400	101.6	4	17.1	43/64
N/A	1	VHD-425	108	4 1/4	17.9	45/64
N/A	1	VHD-450	114.3	4 1/2	19.4	49/64
N/A	1	VHD-475	120.7	4 3/4	20.2	51/64
95817	1	VHD-500	127	5	21.8	55/64
N/A	1	VHD-525	133.4	5 1/4	22.6	57/64
N/A	1	VHD-550	139.7	5 1/2	23.8	15/16
N/A	1	VHD-575	146.1	5 3/4	25.0	63/64
95821	1	VHD-600	152.4	6	25.4	1

FLUORESCENT/CLEAR ACRYLIC ROD & TUBE

Fluorescent Acrylic Rod, gathers ambient light from the sides and emits it from the ends. Useful in a variety of modeling and special effects applications. Polishing the end enhances the lighting effect. With controlled heating, acrylic rod can be bent to a wide variety of configurations. FLUORESCENT ACRYLIC ROUND ROD (sold in packages)
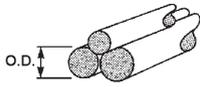
Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	O.D. in	Length mm	Length in	Colour	Order Code	Pkg. Qty.	Plastruct Code	O.D. mm	O.D. in	Length mm	Length in	Colour
90250	5	FARB-2	1.6	1/16	500	20	Blue	90270	5	FARR-2	1.6	1/16	500	20	Red
90258	4	FARB-3	2.4	3/32	500	20	Blue	90278	4	FARR-3	2.4	3/32	500	20	Red
90259	3	FARB-4	3.2	1/8	500	20	Blue	90279	3	FARR-4	3.2	1/8	500	20	Red
90255	3	FARB-5	4.0	5/32	500	20	Blue	90275	3	FARR-5	4.0	5/32	500	20	Red
90256	2	FARB-8	6.4	1/4	500	20	Blue	90276	2	FARR-8	6.4	1/4	500	20	Red
90257	1	FARB-12	9.5	3/8	500	20	Blue	90277	1	FARR-12	9.5	3/8	500	20	Red
90260	5	FARG-2	1.6	1/16	500	20	Green	90280	5	FARY-2	1.6	1/16	500	20	Yellow
90268	4	FARG-3	2.4	3/32	500	20	Green	90288	4	FARY-3	2.4	3/32	500	20	Yellow
90269	3	FARG-4	3.2	1/8	500	20	Green	90289	3	FARY-4	3.2	1/8	500	20	Yellow
90265	3	FARG-5	4.0	5/32	500	20	Green	90285	3	FARY-5	4.0	5/32	500	20	Yellow
90266	2	FARG-8	6.4	1/4	500	20	Green	90286	2	FARY-8	6.4	1/4	500	20	Yellow
90267	1	FARG-12	9.5	3/8	500	20	Green	90287	1	FARY-12	9.5	3/8	500	20	Yellow

CONES & VESSEL TRANSITIONS   These versatile components can be used for the ends of vertical storage tanks, (grain, water, etc.) and for transitions between vessel diameters (cracking towers for oil refineries). Also suitable for nose cones and special effects features. Cones are vacuum-formed in white styrene. Cones can be modified to use requirements relatively easily with knife or fine-blade circular saw. Illustrations not actual size.

Sold individually.

Order Code	Contained Angle	Dia. at base mm	Dia. at base in
VCT-120	120°	100	4
VCT-130	130°	100	4
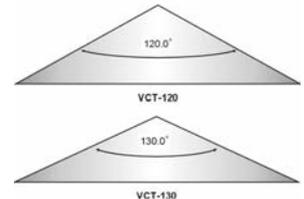
VESSEL SADDLES   Used to support horizontal tanks and large piping. To stack tanks vertically, cement two vessel saddles together. Precision injection molded in dark grey ABS. Indicated tubing size up to size 48 refers to COLOURED BUTYRATE TUBING listed in the BUILDING MATERIALS section of this catalogue. Larger tubing (from 175 to 300) refers to vessel tubing which is an EMA item (listed in this section). Outside diameter of tube which fits each vessel saddle is indicated.

Order Code	To Fit Tube	Tube O.D. mm	Tube O.D. in	Pkg.	Order Code	To Fit Tube	Tube O.D. mm	Tube O.D. in	Pkg.	Order Code	To Fit Tube	Tube O.D. mm	Tube O.D. in	Pkg.	Order Code	To Fit Tube	Tube O.D. mm	Tube O.D. in	Pkg.
VS-8P	8	6.4	1/4	5	VS-18P	18	14.3	9/16	5	VS-36P	36	28.6	1 1/8	3	VS-225	225	57.2	2 1/4	1
VS-10P	10	7.9	5/16	5	VS-20P	20	15.9	5/8	5	VS-40P	40	31.8	1 1/4	3	VS-250	250	63.5	2 1/2	1
VS-12P	12	9.5	3/8	5	VS-24P	24	19.1	3/4	5	VS-48P	48	38.1	1 1/2	1	VS-275	275	69.9	2 3/4	1
VS-14P	14	11.1	7/16	5	VS-28P	28	22.2	7/8	3	VS-175	175	44.5	1 3/4	1	VS-300	300	76.2	3	1
VS-16P	16	12.7	1/2	5	VS-32P	32	25.4	1	3	VS-200	200	50.8	2	1	Larger sizes available up to 6"				

VESSEL TUBING   A wide range of sizes (3/8" - 6" dia.) to allow construction of large vessels or related structures. One piece grey ABS extrusions each 910mm (36") long. Sold individually. Items in diagram also available, enquire.

Order Code	Outside Dia. mm	Outside Dia. in	Wall Thickness mm	Wall Thickness in	Order Code	Outside Dia. mm	Outside Dia. in	Wall Thickness mm	Wall Thickness in	Order Code	Outside Dia. mm	Outside Dia. in	Wall Thickness mm	Wall Thickness in
VT-12	9.5	3/8	1.6	1/16	VT-250	63.5	2 1/2	2.4	3/32	VT-600	152.4	6	3.2	1/8
VT-14	11.1	7/16	1.6	1/16	VT-275	69.8	2 3/4	2.4	3/32					
VT-16	12.7	1/2	1.6	1/16	VT-300	76.2	3	2.4	3/32					
VT-18	14.3	9/16	1.6	1/16	VT-325	82.5	3 1/4	3.2	1/8					
VT-20	15.9	5/8	1.6	1/16	VT-350	88.9	3 1/2	3.2	1/8					
VT-24	19.1	3/4	1.6	1/16	VT-375	95.3	3 3/4	3.2	1/8					
VT-28	22.2	7/8	1.6	1/16	VT-400	101.6	4	3.2	1/8					
VT-32	25.4	1	1.6	1/16	VT-425	107.9	4 1/4	3.2	1/8					
VT-36	28.6	1 1/8	1.6	1/16	VT-450	114.3	4 1/2	3.2	1/8					
VT-40	31.8	1 1/4	1.6	1/16	VT-475	120.6	4 3/4	3.2	1/8					
VT-150	38.1	1 1/2	2.4	3/32	VT-500	127.0	5	3.2	1/8					
VT-175	44.4	1 3/4	2.4	3/32	VT-525	133.3	5 1/4	3.2	1/8					
VT-200	50.8	2	2.4	3/32	VT-550	139.7	5 1/2	3.2	1/8					
VT-225	57.1	2 1/4	2.4	3/32	VT-575	146.0	5 3/4	3.2	1/8					
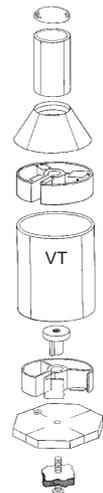
INDUSTRIAL DETAILS   Selected engineering components to assist with the construction of models involving indus- Plastruct
trial process equipment. The components on this page are designed to work together, allowing construction of highly real-
istic models with a minimum of effort.   When tubing size is indicated, it refers to COLOURED BUTYRATE TUBING listed in
the ENGINEERING/STRUCTURAL section of this catalogue.

ELBOWS, BENDS, TEES & FLANGES A range of standard fittings to allow design and construction of most industrial piping systems.
All items are injection molded in white butyrate (colors are available, enquire). Order codes are indicated for all items.

TO FIT TUBE	90° ELBOW		90° ELBOW (FEMALE)		45° ELBOW		THREE DIAM. BEND		FIVE DIAM. BEND		PIPE FLANGE		TUBE CAP	
1	--		--		--		--		--		F-1	5	--	
2	--		--		--		--		--		F-2	5	--	
3	E-3	5	EF-3	5	EL-3	5	--		--		F-3	5	PC-3	5
4	E-4	5	EF-4	5	EL-4	5	--		--		F-4	5	PC-4	5
6	E-6	5	EF-6	5	EL-6	5	B3-6	5	BE-6	5	F-6	5	PC-6	5
8	E-8	5	EF-8	5	EL-8	5	B3-8	5	BE-8	5	F-8	5	PC-8	5
10	E-10	5	EF-10	5	EL-10	5	B3-10	5	BE-10	5	F-10	5	PC-10	5
12	E-12	5	EF-12	5	EL-12	5	B3-12	5	BE-12	5	F-12	5	PC-12	5
14	E-14	1	EF-14	1	EL-14	1	B3-14	1	BE-14	1	F-14	1	PC-14	1
16	E-16	1	EF-16	1	EL-16	1	B3-16	1	BE-16	1	F-16	1	PC-16	1
18	E-18	1	EF-18	1	EL-18	1	B3-18	1	BE-18	1	F-18	1	PC-18	1
20	E-20	1	EF-20	1	EL-20	1	B3-20	1	BE-20	1	F-20	1	PC-20	1
24	E-24	1	EF-24	1	EL-24	1	B3-24	1	BE-24	1	F-24	1	PC-24	1
28	E-28	1	--		EL-28	1	B3-28	1	--		--		PC-28	1
32	E-32	1	--		EL-32	1	B3-32	1	--		--		PC-32	1
36	E-36	1	--		EL-36	1	B3-36	1	--		--		PC-36	1
40	E-40	1	--		EL-40	1	B3-40	1	--		--		PC-40	1

TO FIT TUBE	90° TEE		90° STUB-IN TEE		45° STUB-IN TEE		90° SNAP-ON TEE		45° SNAP-ON TEE		COUPLING PIN		COUPLING SLEEVE	
1	--		--		--		TPO-1	5	--		--		CS-1P	5
2	--		--		--		TPO-2	5	LT-2	5	--		CS-2P	5
3	TP-3	5	--		TPA-3	5	TPO-3	5	LT-3	5	CP-3P	5	CS-3P	5
4	TP-4	5	--		TPA-4	5	TPO-4	5	LT-4	5	CP-4P	5	CS-4P	5
6	TP-6	5	TPS-6	5	TPA-6	5	TPO-6	5	LT-6	5	CP-6P	5	--	
8	TP-8	5	TPS-8	5	TPA-8	5	TPO-8	5	--		CP-8P	5	--	
10	TP-10	5	TPS-10	5	TPA-10	5	TPO-10	5	--		CP-10P	5	--	
12	TP-12	5	TPS-12	5	TPA-12	5	TPO-12	5	--		CP-12P	5	--	
14	TP-14	1	TPS-14	1	TPA-14	1	TPO-14	1	--		CP-14	1	--	
16	TP-16	1	TPS-16	1	TPA-16	1	TPO-16	1	--		CP-16	1	--	
18	TP-18	1	TPS-18	1	TPA-18	1	TPO-18	1	--		CP-18	1	--	
20	TP-20	1	TPS-20	1	TPA-20	1	TPO-20	1	--		CP-20	1	--	
24	TP-24	1	TPS-24	1	TPA-24	1	TPO-24	1	--		CP-24	1	--	
28	--		TPS-28	1	--		--		--		--		--	
32	--		TPS-32	1	--		--		--		--		--	
36	--		TPS-36	1	--		--		--		--		--	
40	--		TPS-40	1	--		--		--		--		--	

TO FIT TUBE	45° ELBOW (FEMALE)		HINGE SLEEVE	
1	--		--	
2	--		IS-2	1
3	ELF-3	5	IS-3	1
4	ELF-4	5	IS-4	1
6	ELF-6	5	IS-6	1
8	ELF-8	5	IS-8	1
10	ELF-10	5	IS-10	1
12	ELF-12	5	IS-12	1
14	ELF-14	1	IS-14	1
16	ELF-16	1	IS-16	1
18	ELF-18	1	IS-18	1
20	ELF-20	1	IS-20	1
24	ELF-24	1	IS-24	1
28	-		IS-28	1
32	-		IS-32	1
36	-		IS-36	1
40	-		IS-40	1

TIP: Hinge sleeves, when glued back to back or to another sur-face, work as hinges when fitted over corre-sponding tubing.

TO FIT TUBE	CONCENTRIC REDUCER		ECENTRIC REDUCER		TEE REDUCER	
3to2	--		--		TPR-32	5
4to2	--		--		TPR-42	5
6to2	--		--		TPR-62	5
4to3	RC-3	5	--		TPR-43	5
6to3	RC-2	5	RE-3	5	TPR-63	5
6to4	RC-4	5	-		TPR-64	5
8to4	RC-5	5	RE-4	5	-	
10to4	RC-43	1	-		-	
8to6	RC-6	5	-		-	
10to6	RC-7	5	RE-6	5	-	
12to6	RC-63	1	-		-	
14to6	RC-64	1	-		-	
10to8	RC-8	5	-		-	
12to8	RC-9	5	RE-8	5	-	
14to8	RC-83	1	-		-	
16to8	RC-84	1	-		-	
12to10	RC-10	5	-		-	
14to10	RC-11	1	RE-10	1		
14to12	RC-12	1	-			
16to12	RC-13	1	RE-12	1		
16to14	RC-14	1	-			
18to14	RC-17	1	RE-13	1		
20to14	-		RE-14	1		
18to16	RC-15	1	-			
20to16	RC-16	1	-			
24to16	-		RE-16	1		
20to18	RC-18	1	-			
24to18	RC-19	1	RE-18	1		
24to20	RC-20	1	-			

GREY ABS

TO FIT TUBE	RING/FLANGES	
12	RI-12	5
14	RI-14	5
16	RI-16	5
18	RI-18	5
20	RI-20	5
24	RI-24	5
28	RI-28	5
32	RI-32	5
36	RI-36	5
40	RI-40	5
48	RI-48	1
56/175	RI-175	1
64/200	RI-200	1
225	RI-225	1

Use to quickly mount horizontal pieces off vertical columns, tanks or other structures. Clear acrylic
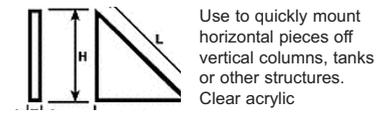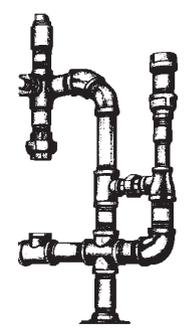
CODE		H & W	T
G-8	5	1/4"	.050
G-12	5	3/8"	1/16"
G-16	5	1/2"	1/16"
G-20	5	5/8"	3/32"
G-24	5	3/4"	3/32"
G-28	5	7/8"	1/8"
G-32	5	1"	1/8"

PACKAGE QUANTITIES for these items are listed to the right of the
order code. NOTE: Do not include this number when ordering.

FLANGED & FLAT CAP HEADS Use for vertical and horizontal tank ends when making industrial storage tanks or heat exchangers. Molded in grey ABS.

FLANGED CAP HEADS
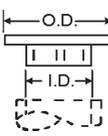
Order Code	Pkg. Qty.	Plastruct Code	To Fit Tube	"O.D." mm	"O.D." in	"I.D." mm	"I.D." in
95721	5	VHF-12	12	15.9	5/8	6.0	15/64
95722	5	VHF-14	14	17.5	11/16	7.5	19/64
95723	5	VHF-16	16	19.1	3/4	9.1	23/64
95724	5	VHF-18	18	20.6	13/16	10.7	27/64
95725	5	VHF-20	20	22.2	7/8	12.3	31/64
95726	5	VHF-24	24	25.4	1	15.5	39/64
95727	3	VHF-28	28	29.4	1 5/32	18.7	47/64
95728	3	VHF-32	32	32.5	1 9/32	21.8	55/64
95729	3	VHF-36	36	36.51	7/16	25.0	63/64
95730	3	VHF-40	40	39.71	9/16	28.2	1 7/64

FLAT CAP HEADS
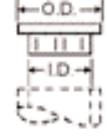
Order Code	Pkg. Qty.	Plastruct Code	To Fit Tube	"O.D." mm	"O.D." in	"I.D." mm	"I.D." in
95701	5	VHC-12	12	9.5	3/8	6.0	15/64
95702	5	VHC-14	14	11.1	7/16	7.5	19/64
95703	5	VHC-16	16	12.7	1/2	9.1	23/64
95704	5	VHC-18	18	14.3	9/16	10.7	27/64
95705	5	VHC-20	20	15.9	5/8	12.3	31/64
95706	5	VHC-24	24	19.1	3/4	15.5	39/64
95707	3	VHC-28	28	22.2	1	18.7	47/64
95708	3	VHC-32	32	25.4	1 1/8	21.8	55/64
95709	3	VHC-36	36	28.6	1 1/4	25.0	63/64
95710	3	VHC-40	40	31.8	1 1/2	28.2	1 7/64

VALVES, NOZZLES & PIPE SUPPORTS A range of common valve types found in industrial/commercial piping systems. Fitting design allows press-fit assembly (valve body snaps over tubing) prior to cementing. Nozzles are used to connect piping to tanks or larger diameter pipes. All items are injection molded in grey butyrate. **Package quantities are listed below, to the right of the order code.**

PIPE SUPPORTS & SUPPORT FLANGES   Pipe supports are used to attach spans of vertical or horizontal piping to structural components in a piping system. Supports are designed to snap over the pipe but should be cemented for final assembly. Support flanges are used in combination with pipe supports as the anchoring component. The tubing size and support flange which fits each pipe support is indicated. Items are molded in grey butyrate. Package quantites are listed below, to the right of the order code.
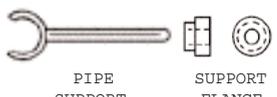
TO FIT TUBE	GATE VALVE	pkg	CONTROL VALVE		PLUG VALVE		ANGLE VALVE		RELIEF VALVE		NOZZLES	
1	GV-1P	5	CV-1P	5	--		--		RV-1P	5	N-1	5
2	GV-2P	5	CV-2P	5	PV-2P	5	AV-2P	5	RV-2P	5	N-2	5
3	GV-3P	5	CV-3P	5	PV-3P	5	AV-3P	5	RV-3P	5	N-3	5
4	GV-4P	5	CV-4P	5	PV-4P	5	AV-4P	5	RV-4P	5	N-4	5
6	GV-6P	5	CV-6P	5	PV-6P	5	AV-6P	5	RV-6P	5	N-6	5
8	GV-8P	5	CV-8P	5	PV-8P	5	AV-8P	5	RV-8P	5	N-8	5
10	GV-10P	5	--		--		--		--		N-10	5
12	GV-12P	5	--		--		--		--		N-12	5
14	GV-14P	1	--		--		--		--		N-14	1
16	GV-16P	1	--		--		--		--		N-16	1
18	GV-18P	1	--		--		--		--		N-18	1
20	GV-20P	1	--		--		--		--		N-20	1
24	GV-24P	1	--		--		--		--		N-24	1

PIPE SUPPORT   SUPPORT FLANGE

To fit Tube	Order Code	Pkg.	Support Flange	To fit Tube	Order Code	Pkg.	Support Flange
1	SC-1P	5	SX-2	12	SC-12P	5	SX-3
2	SC-2P	5	SX-2	14	PS-14P	1	SX-3
3	SC-3P	5	SX-2	16	PS-16P	1	SX-3
4	SC-4P	5	SX-2	18	PS-18P	1	SX-3
6	SC-6P	5	SX-2	20	PS-20P	1	SX-3
8	SC-8P	5	SX-2	24	PS-24P	1	SX-3
10	SC-10P	5	SX-3				

PUMP & MOTOR SETS   Use as either pumps or blowers. Set includes pump (molded in light grey), motor (medium green) and base-plate molded in ABS. Sold individually.

MOTORS   Use for detailing specialized equipment in industrial settings. Precision injection molded in medium green ABS.

Order Code	Length "L" mm	Length "L" in	Width "W" mm	Width "W" in	Height "H" mm	Height "H" in	Distance "D" mm	Distance "D" in
							Pkg.	
PM-2	14.3	9/16	4.8	3/16	6.4	1/4	N/A	N/A
							5	
PCM-3P	27.01	1/16	6.4	1/41	2.7	1/21	5.9	5/8	1
PCM-7P	39.71	9/16	9.5	3/81	5.9	5/8	22.2	7/8	1
PCM-21P	41.3	1 5/8	12.7	1/21	5.9	5/8	22.2	7/8	1
PCM-29	44.5	1 3/4	14.3	9/16	19.1	3/4	22.2	7/8	1

Order Code	"O.D." mm	"O.D." in	Length "L" mm	Length "L" in	Height "H" mm	Height "H" in	Pkg.
M-2P	6.4	1/4	9.5	3/8	7.9	5/16	3
M-3P	7.9	5/16	12.7	1/2	9.5	3/8	3
M-5P	9.5	3/8	15.9	5/8	11.1	7/16	3
M-7P	12.7	1/2	19.1	3/4	12.7	1/2	3
M-9P	15.9	5/8	22.2	7/8	15.9	5/8	1
M-11P	17.5	11/16	25.4	1	19.1	3/4	1
M-12P	19.1	3/4	20.6	1 1/8	20.6	13/16	1

MANHOLES/MANWAYS   Use for manholes and clean-outs in storage tanks. Injection molded in grey ABS.
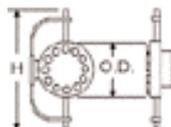
Order Code	"O.D." mm	"O.D." in	Height "H" mm	Height "H" in	Pkg.
MH-18	20.6	13/16	33.7	1 11/32	3
MH-24	27.0	1 1/16	41.3	1 5/8	3
MH-36	38.1	1 1/2	57.2	2 1/4	3
MH-40	50.8	2	71.4	2 13/16	3

...

WHEELS   Designed for use as handwheels on the valves listed on the preceding page, these disks have many possible uses. All have a central hole 2.4 mm (3/32") and are injection molded in grey butyrate.

Larger sizes available

DIA. 2.4 mm (3/32")
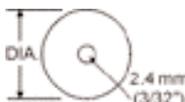
Order Code	Diameter mm	in	Pkg.
WH-8	6.4	1/4	10
WH-12	9.5	3/8	10
WH-16	12.7	1/2	10
WH-20	15.9	5/8	5

Order Code	Diameter mm	in	Pkg.
WH-24	19.1	3/4	5
WH-28	22.2	7/8	5
WH-32	25.4	1	5
WH-36	28.6	1 1/8	5

HANDWHEELS   Set of four 4-spoked handwheels in 4 sizes. The 2 smaller wheels fit our TB-3 tube and the 2 largers ones fit our TB-4 tube. Injection molded in white styrene.

Only sold as a set.

Code: HWL-4

25/64" 9.9mm   5/16" 7.9mm   15/64" 6.0mm   5/32" 4.0mm

INCANDESCENT & MERCURY VAPOR LIGHTS   Molded in medium green

STYLE A   STYLE B   STYLE C   STYLE D   STYLE E   STYLE F

Add detail and character to your model or layout with these non-working, unique industrial mercury vapor and incandescent light fixtures and hardware. The incandescent with shade light can also be used as a safety shower, or as a drain or eye-wash when turned upside down. Mercury vapor lights may be mounted overhead or placed on a stanchion using stanchion hardware and appropriate tubing (stanchion applications do not require light shade). Lamp shades fit the light of the same Code Suffix. Precision Injection Molded in Medium Green ABS Plastic.

All sold 5 per pk.

CODE	STYLE	DESCRIPTION	SCALE		ACTUAL SIZE HEIGHT		O.D.		STANCHION TUBE SIZE (S)	
LF-3	B	Incandescent With Shade	O/HO	1:100	5/32"	4.0mm	5/16"	7.9mm	1/16"	1.6mm
LF-6	B	Incandescent With Shade	#1/O	1:48	17/64"	6.7mm	7/16"	11.1mm	1/16"	1.6mm
LF-8	B	Incandescent With Shade	G	1:24	3/8"	9.5mm	5/8"	15.9mm	3/32"	2.4mm
LF-10	B	Incandescent With Shade	L.S.	1:16	9/16"	14.3mm	15/16"	23.8mm	3/32"	2.4mm
LF-112	D	Incandescent	#1/O	1:48	27/64"	10.7mm	5/16"	7.9mm	1/16"	1.6mm
LF-116	D	Incandescent	G	1:24	9/16"	14.3mm	13/32"	10.3mm	3/32"	2.4mm
LF-212	A	Mercury Vapor Hazard Gd	#1/O	1:48	19/32"	15.1mm	3/8"	9.5mm	1/16"	1.6mm
LF-216	A	Mercury Vapor Hazard Gd	G	1:24	51/64"	20.2mm	15/32"	11.9mm	3/32"	2.4mm
LF-312	C	Mercury Vapor Relamp Cp	#1/O	1:48	1/4"	6.4mm	3/8"	9.5mm	1/16"	1.6mm
LF-316	C	Mercury Vapor Relamp Cp	G	1:24	21/64"	8.3mm	15/32"	11.9mm	3/32"	2.4mm
LF-412	E	Lamp Shade	#1/O	1:48	13/64"	5.2mm	17/32"	13.5mm	1/4"	6.4mm
LF-416	E	Lamp Shade	G	1:24	3/8"	9.5mm	45/64"	17.9mm	21/64"	8.3mm
LF-512	F	Stanchion Hardware	#1/O	1:48	N/A	N/A	N/A	N/A	1/16"	1.6mm
LF-516	F	Stanchion Hardware	G	1:24	N/A	N/A	N/A	N/A	3/32"	2.4mm

To make lights using LF codes: feed wires from a pea bulb through bottom of LF (make a hole if neccessary) and a pc of matching pipe, solvent bond together and attach wires to your power source.

DIA.   LF

HANDRAIL STANCHIONS

HANDRAIL STANCHIONS
Injection molded styrene. Used for curved handrailing in marine modelling and process models. It is suitable for containing circular platforms and for situations where edges are not availale to attach standard handrails, also adaptable for stairs and ramps of non-standard angles. Place stanchions in position and thread prebent rod (P-()-1) through to from the handrails.Has triangular base. Use full height for 1:25 cut down one bar for 1:32 etc. 1 11/16" tall 3/32" dia. 10 pcs per pk.

Order Code: HRS-16

HARLEY SHOP All lights were made with LF's. Many other MBS items were used in this room box.

MBS MODEL BUILDERS SUPPLY

OPEN WEB TRUSSES   Used for roof trusses, bridges, conveyors, boom cranes, space frames, structural steel construction. Tee flange on edge permits easy registered assembly for triangular or square sections. Ends are matched to allow joining without cutting. Injection molded Styrene in either black or white. No scales are indicated due to the range of sizes used in full scale (real-life) applications. **Two pieces per package.**
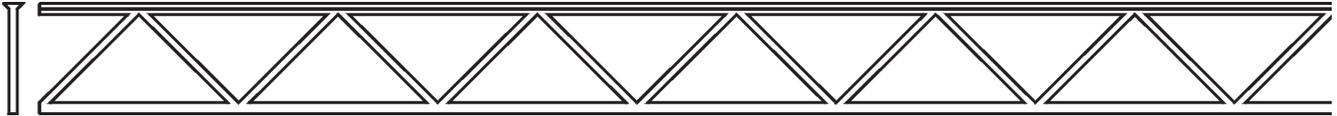
Typical methods of assembly for boxed sections

Order Code	Black Styrene Height mm	in	Length mm	in	Order Code	White Styrene Height mm	in	Length mm	in
OTS-4	3	1/8	75	3 1/4	OTS-4W	3	1/8	75	3 1/4
OTS-6	5	3/16	85	3 1/2	OTS-6W	5	3/16	85	3 1/2
OTS-8	6	1/4	125	5	OTS-8W	6	1/4	125	5
OTS-12	10	3/8	175	7	OTS-12W	10	3/8	175	7
OTS-16	13	1/2	225	9	OTS-16W	13	1/2	225	9
OTS-20	16	5/8	275	11	OTS-20W	16	5/8	275	11
OTS-24	20	3/4	275	11	OTS-24W	20	3/4	275	11
OTS-32	25	1	275	11	OTS-32W	25	1	275	11

PRATT STYLE OPEN WEB TRUSSES   Used for roof trusses, bridges, conveyors, boom cranes, space frames, structural steel construction. Injection molded in aluminum coloured styrene. No scales are indicated due to the range of sizes used in full scale (real-life) applications. **Two pieces per package.**

Order Code	Height mm	in	Length mm	in	Order Code	Height mm	in	Length mm	in
OWT-101	6	1/4	100	3 7/16	OWT-105	20	25/32	200	7 7/8
OWT-102	8	5/16	100	3 7/16	OWT-106	30	1 3/16	180	7 3/32
OWT-103	11	7/16	180	7 3/32	OWT-107	40	1 9/16	200	7 7/8
OWT-104	17	21/32	180	7 3/32					

FENCING, RAILING & BALUSTRADES   There are a variety of styles and scales of these items available. Items are injection-molded white styrene. Although suggested scale application is indicated, most* illustrations are shown actual size to provide an additional way to assess the suitability of a particular item for the project in hand. Actual dimensional and length per package information is provided.

*FEN-118 is shown at 75% actual size.
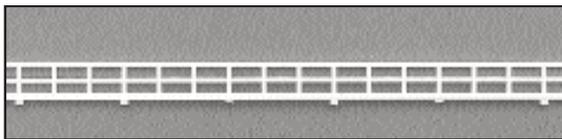
THREE BAR HORIZONTAL FENCE   (Scale: 1/16 ; 1:200, N or Z)
H: 6mm 7/16"   L: 86mm 3 3/4"   L/pkg: 172mm 6 3/4"
Order code: **FEN-16**
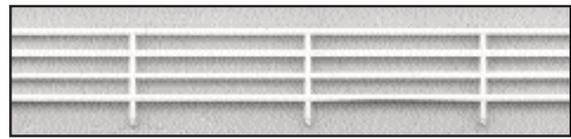
FOUR BAR HORIZONTAL FENCE   (Scale: 1/8 ; 1:100,HO)
H: 13mm 1/2"   L: 127mm 5"   L/pkg: 500mm 20"
Order code: **FEN-3**

VERTICAL PICKET FENCE   (Scale: 1/8 ; 1:100, HO)
H: 9mm 5/16"   L: 127mm 5"   L/pkg: 500mm 20"
Order code: **GWR-2**

VERTICAL PICKET FENCE   (Scale: O, 1/4 ; 1:50)
H: 17mm 11/16" L: 127mm 5 "   L/pkg: 500mm 20"
Order code: **GWR-4**

VERTICAL PICKET FENCE   (Scale: HO 1/8 ; 1:87)
H: 15mm 5/8"   L: 112mm 4 7/16"   L/pkg: 448mm 17 3/4"
Order code: **FEN-119**

VERTICAL PICKET FENCE   (Scale: O 1/4 ; 1:50)
H: 15mm 1 1/4"   L: 112mm 4 7/16"   L/pkg: 448mm 17 3/4"
Order code: **FEN-419**

MBS
MODEL BUILDERS SUPPLY
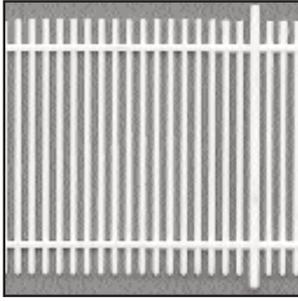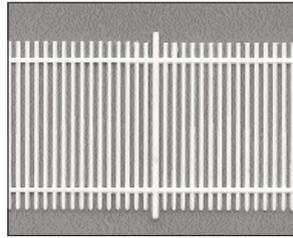
VERTICAL BAR FENCE   CODE: FEN>413   (Scale: O, 1/4 :
1:50)
H: 41mm 1 5/8" L: 127mm 5"   L/pkg: 508mm 20"
VERTICAL BAR FENCE   CODE: FEN>113 (Scale HO, 1/8 :
1:100**)**
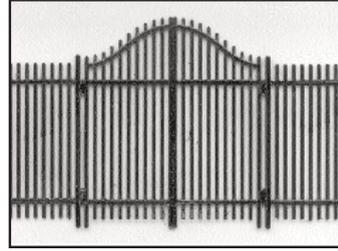
Painted sample of FEN-113 with FENG-113

GATE   CODE: FENG>413   (Scale: O, 1/4 : 1:50)
H: 50mm 2"   W: 42mm 1 5/8" pkg: 1 gate
GATE   CODE: FENG>113   (Scale: HO, 1/8 : 1:100)
H: 40mm 1 5/8"   W: pkg: 2 gates
Injection molded white styrene. shown 75% of size
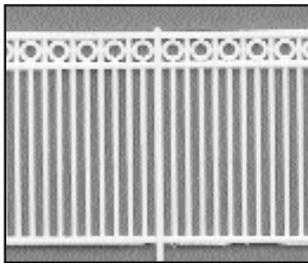
VERTICAL BAR FENCE   CODE: FEN>411 (Scale: O, 1/4 :
1:50)
H:33mm 1 5/16"   L:107mm 4 3/16" L/pkg: 428mm 16 1/2"
VERTICAL BAR FENCE   CODE: FEN>111 (Scale HO,1/8 :
1:100**)**
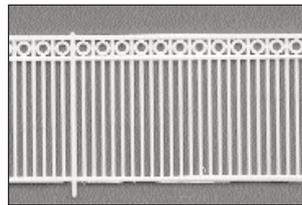
VERTICAL BAR FENCE   CODE: FEN>410   (Scale: O, 1/4 :
1:50)
H: 43mm 1 3/4"   L: 106mm 4 3/16" L/pkg: 428mm 16 1/2"
VERTICAL BAR FENCE   CODE: FEN>110 (Scale HO, 1/8
1:100**)** H: 24mm 1" L: 104mm 4 1/8" L/pkg: 416mm 16.5"
Injection molded white styrene
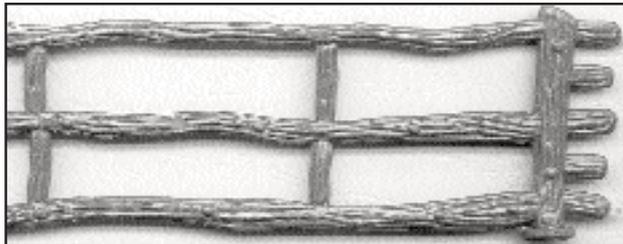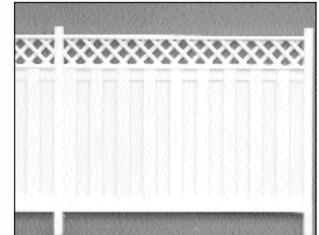
H: 25mm 1"   L: 112mm 4 7/16" L/pkg: 448mm 18"
Injection molded white styrene
CORRAL FENCE   CODE FEN>24C   (Scale G 1/2 : 1:24)
H:40mm 1 1/2" L: 128mm 5" L/pkg 512mm 20"
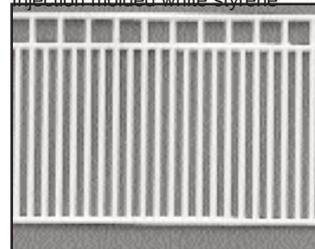
VERTICAL BAR FENCE   CODE: FEN>412   (Scale: O, 1/4 :
1:50)
H: 34mm 1 3/8"   L: 107mm 4 1/4" L/pkg: 428mm 17"
VERTICAL BAR FENCE   CODE: FEN>112   (Scale HO, 1/8 ,
1:100**)**
H: 25mm 1" L: 112mm 4 7/16" L/pkg: 448mm 18"
Injection molded white styrene
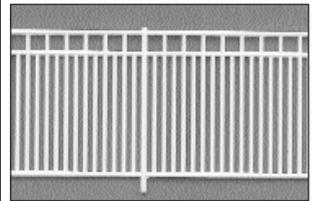
VERTICAL PICKET FENCE CODE FEN>(Scale O 1/4 : 1:100
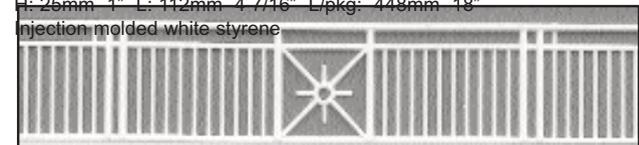
DECORATIVE FENCE/BALCONY CODE:
FEN>117 (Scale HO, 1/8   H: 17mm
11/16"   L: 95mm
3¾"   L/Pkg: 380mm 15"
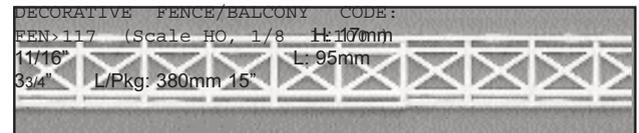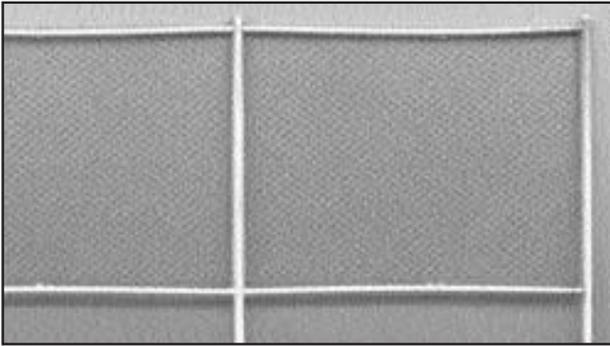
CHAIN LINK FENCE CODE: FEN>418(Scale:O, 1/4 ; 1:50)
H: 47mm 1 7/8"   L: 102mm 4"   L / pkg: 408mm 16"
Green mesh sandwiched between styrene fence posts (untrimmed).
Easy to trim: tear mesh away from posts.
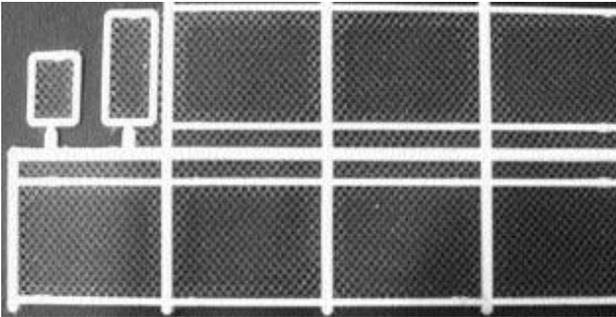
CHAIN LINK FENCE & GATES CODE: FEN>118(Scale:HO, 1:87, 1/8 H: 28mm 1 1/8"   L: 114mm 4.5"L / pkg: 398mm 15 7/8"
Green mesh sandwiched between styrene fence posts (untrimmed).
Easy to trim: tear mesh away from posts.

VICTORIAN TRIM Gingerbread (Scale 1/8 /1:100 or 1/4 /1:50)
H: 6mm 1/4"   L: 84mm 3 3/8"   L/pkge: 336mm 13 1/2"
White injection molded styrene
Order Code: **VICT-84**

BALC

BALS-8
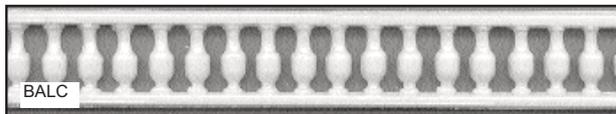
DECORATIVE BALUSTRADES   These items are molded in grey styrene except for the last item which is white styrene. (**Better quality**). Great for concrete boarders or balconies.

Order Code	Pkg.	Suggested Scale	Height mm	in	Length mm	in
BALC-48	2	1/4", 1:48	16	5/8	160	6 3/8
BALC-100	2	1/8", 1:100	9.5	11/32	160	6 3/8
BALC-200	2	1/16", 1:200	5	3/16	160	6 3/8
BALS-8	2	1/8", 1:100	11	7/6	62	2 7/16

DECKING These materials provide the most realistic decking and can be assembled fast and easy.
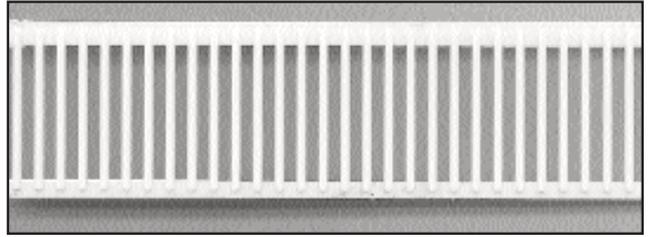
DECK RAILING   (SCALE O, 1/4 1:50)
This railing is specifically designed to use as deck railing. It has the posts attached to the outside and matches the design of the stair railing to the right.
H: 25mm 1" L: 129mm 5" L/pkge 416mm 20"
Injection molded white styrene
Order Code: **RAIL-4**

DECK STAIR RAILING & STEPS (SCALE O, 1/4 1:50)
Each pack contains 2 rails and 7 steps (as shown). Rails have platform to attach steps to.
H: 25mm 1"   L: 57mm 2 3/16"

FENCING, RAILING & BALUSTRADES   There are a variety of styles and scales of these items available. Items are injection-molded white styrene. Although suggested scale application is indicated, most* illustrations are

actual size when page is printed at 100%. Actual dimensional and length per package information is provided.

*FEN-4 is shown at 75% actual size. GWR-7 at 95%
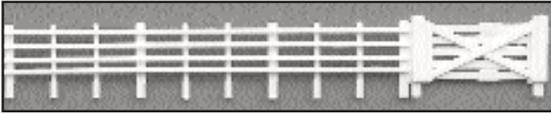
FOUR›BAR HORIZONTAL FENCE   (Scale: 1/8 ; 1:100)
H: 11mm 11/32" L: 134mm 5 1/4" L/pkg: 540mm 21"
Order code: **FEN-2**   (Includes one gate, White styrene)
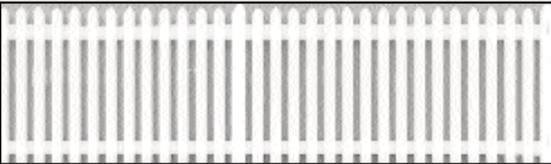
VERTICAL PICKET FENCE   (Scale: 1/2 ; 1:24)
H: 30mm 1 1/8" L: 173mm 6 3/4" L/pkg: 1040mm 40.5"
Order code: **GWR-7 (shown at 95% actual size.)**
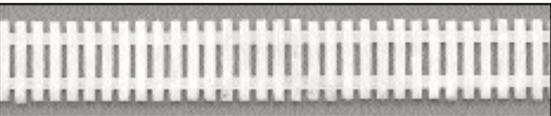
VERTICAL PICKET FENCE   (Scale: 1/8 ; 1:100)
H: 12mm 7/16" L: 178mm 7" L/pkg:712mm 28"
Order code: **FEN-54**
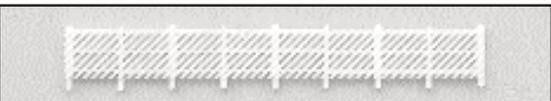
DIAGONAL FENCE   (Scale: 1/8 ; 1:100)
H: 9mm 5/16" L: 74mm 2 7/8" L/pkg: 590mm 23"
Order code: **MRS-2**
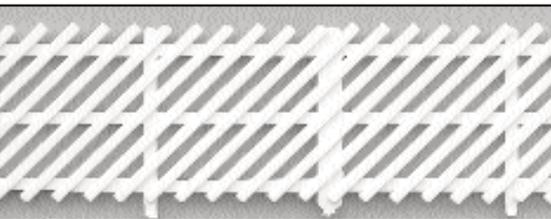
DIAGONAL FENCE   (Scale: 1/2 ; 1:24)
H: 32mm 1 1/4" L: 130mm 5 1/8" L/p kge: 780mm 30.75"

SLANTED BAR RAILINGS Companion items to the vertical bar railings, these two railings are useful as handrails. When used in combination, item **RR-3** is matched with **RR-2** or **RR-4**, and item **RR-**

Order Code	Pkg.	Height mm	Height in	Length mm	Length in
RR-3	2	7.5	9/32	175	6 7/8
RR-7	2	15	19/32	175	6 7/8

FOUR›BAR HORIZONTAL FENCE   (Scale: 1/8 ; 1:100)
H: 30mm 1 5/32" L: 137mm 5 3/8" L/pkg: 1080mm 43"
Order code: **FEN-4 (shown at 75% actual size.)**
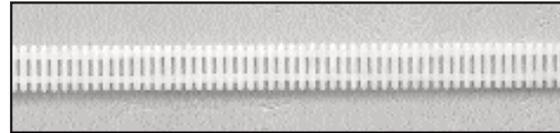
VERTICAL PICKET FENCE   (Scale: 1/16 ; 1:200)
H: 7mm 1/4"   L: 171mm 6 3/4" L/pkg: 684mm 27"
Order code: **FEN-52**

VERTICAL PICKET FENCE   (Scale: 1/4 ; 1:50)
H: 25mm 1"   L: 178mm 7" L/pkg: 712mm 28"
Order code: **FEN-58**

DIAGONAL FENCE   (Scale: 1/4 ; 1:50)
H: 18mm 11/16" L: 146mm 5 3/4" L/pkg: 875mm 34.5"
Order code: **MRS-4**

VERTICAL BAR RAILINGS   A range of vertical slat railings suitable for balconies, outdoor railings, gratings & grillwork. Scale applications range from 1:200 to 1:12, depending on function. Molded in styrene.

Order Code	Pkg.	Height mm	Height in	Length mm	Length in
RR-2	2	6	7/32	170	6 3/4
RR-4	2	10	3/8	170	6 3/4
RR-6	2	15	19/32	170	6 3/4
RR-8	2	20	3/4	170	6 3/4
RR-12	2	30	1 3/16	160	6 3/8
RR-16	2	40	1 5/8	150	6
RR-20	2	60	2 3/8	120	4 7/8

LATTICES Lattices have a variety of applications in model-making from grillwork to structural details. Styrene lattices are easily bonded with solvent cement, use cyanoacrylate for polyethylene lattice. These can be used for many scales. Shown close to actual size.

Order Code	Pkg. Qty.	Description	Sheet Length mm	in	Sheet Width mm	in	Material
LAT-1	2	1mm,1/32" Slats	54	2 1/8	24	15/16	White styrene
LAT-6	2	6mm,1/4" Squares	45	1 3/4	35	1 3/8	White styrene
LAT-30	2	1.5mm , 1/16" Squares	92	3 5/8	51	2	White Styrene
LAT-60	2	2mm , 3/32 Diamond	92	3 5/8	51	2	White Styrene
LAT-70	2	4 bar overhead	114	4 1/2	63	2.5	White Styrene
LAT-20	2	1.5mm,1/16" Squares	100	4	32	1 1/4	Polyethylene
LAT-40	2	2mm,3/32" Round	105	4 1/8	51	2	Polyethylene
LAT-50	2	3.2mm,1/8" Squares	100	4	60	2 3/8	Polyethylene
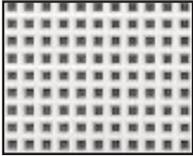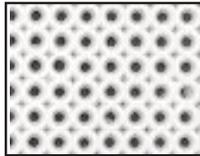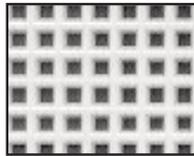
LAT-20   **LAT-40**   **LAT-50**
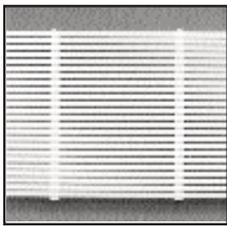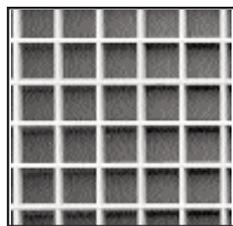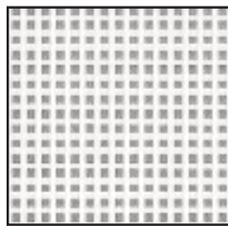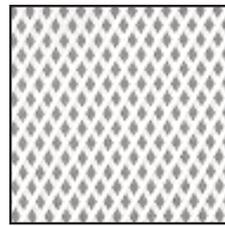
LAT-1   **LAT-6**   **LAT-30**   **LAT-60**   **LAT-70**
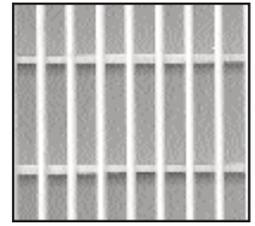
STEPS & LOUVERS All steps are based upon actual measurements of approximately 262 mm/10-1/2" tread by 175 mm/7" rise. STEP>32 STEP>16 and STEP>8 are injection molded white styrene. STEP>04 and STEP>03 are vacuum-formed .020" white styrene. Length is specified along the direction of the tread, width perpendicular to the tread direction.
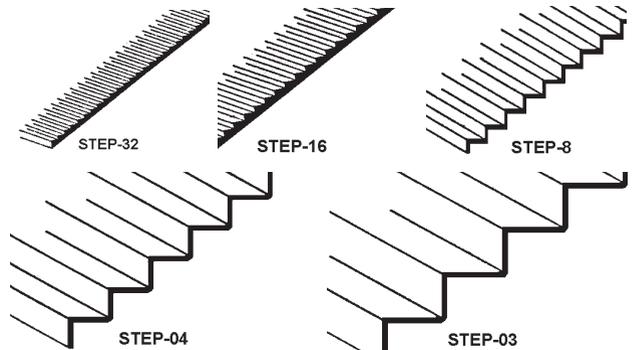
Order Code	Pkg.	Suggested Scale	Sheet Length mm	in	Sheet Width mm	in
STEP-32	2	1/32", 1:400	50	2	25	1
STEP-16	2	1/16", 1:200	75	3	31	1 1/4
STEP-8	1	1/8", 1:100	75	3	38	1 1/2
STEP-04	1	1/4", 1:48	175	7	300	12
STEP-03	1	3/8", 1:32	175	7	300	12

STEP-32   **STEP-16**   **STEP-8**

STEP-04   **STEP-03**

Steps can also be used for vertical and horizontal blinds. As shown in these windows. STEP-04 & STEP-03 are light transmitting so they give a very realistic effect when lite from behind.

TREADPLATES

These single diamond & double diamond treadplates are vacuum formed in .020 white styrene. This material is easily cut with a sharp knife using score & snap technique. Each sheet is 175x300mm (7x12") Sample pattern illustration shown close to actual size. **2 sheets per package.**
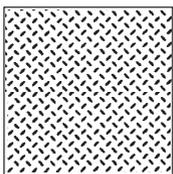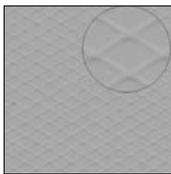
TP-100 1:100 Single

TPC-100 1:100 Checkerplate
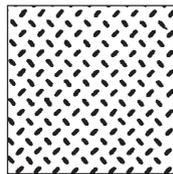
TP-87 1:87 Single
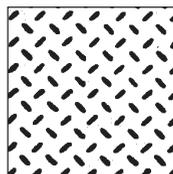
TP-50 1:50 Single
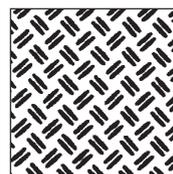
TPD-50 1:50 Double
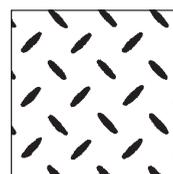
TP-25 1:25 Single

TPD-25 1:25 Double

MBS MODEL BUILDERS SUPPLY

SKYLIGHTS   These skylights are formed from clear co-polyester and can easily be cut and trimmed with a knife, razor saw or with scissors. Material bonds readily with styrene, acrylic, ABS & butyrate using solvent cement (APSC-1). Barrel-vaulted skylights can be used for canopies and awnings. Actual dimensions and package quantities are indicated.
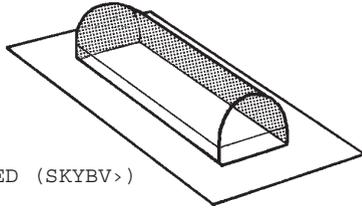
BARREL-VAULTED (SKYBV-)

Order Code	Length mm	in	Width mm	in	Package Quantity
SKYBV-1	13	1/2	6	1/4	2
SKYBV-2	19	3/4	6	1/4	2
SKYBV-3	25	1	6	1/4	2
SKYBV-6	100	4	6	1/4	2
SKYBV-12	19	3/4	10	3/8	2
SKYBV-13	25	1	10	3/8	2
SKYBV-15	38	1 1/2	10	3/8	2
SKYBV-16	100	4	10	3/8	2
SKYBV-21	19	3/4	13	1/2	2
SKYBV-22	25	1	13	1/2	2
SKYBV-24	38	1 1/2	13	1/2	2
SKYBV-26	100	4	13	1/2	2
SKYBV-31	19	3/4	16	5/8	2
SKYBV-32	25	1	16	5/8	2
SKYBV-34	38	1 1/2	16	5/8	2
SKYBV-36	100	4	16	5/8	2
SKYBV-43	38	1 1/2	19	3/4	2
SKYBV-44	50	2	19	3/4	2
SKYBV-46	100	4	19	3/4	2
SKYBV-51	50	2	25	1	1
SKYBV-52	75	3	25	1	1
SKYBV-56	100	4	25	1	1
SKYBV-61	50	2	32	1 1/4	1
SKYBV-62	75	3	32	1 1/4	1
SKYBV-63	100	4	32	1 1/4	1
SKYBV-71	50	2	38	1 1/2	1
SKYBV-72	75	3	38	1 1/2	1
SKYBV-73	100	4	38	1 1/2	1
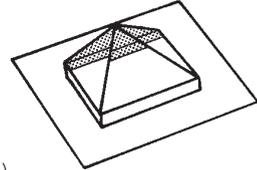
SQUARE PYRAMID (SKYP-)

Order Code	Length mm	in	Width mm	in	Package Quantity
SKYP-1	6	1/4	6	1/4	2
SKYP-2	10	3/8	10	3/8	2
SKYP-3	13	1/2	13	1/2	2
SKYP-14	16	5/8	16	5/8	2
SKYP-24	19	3/4	19	3/4	2
SKYP-4	25	1	25	1	2
SKYP-5	31	1 1/4	31	1 1/4	2
SKYP-7	50	2	50	2	2
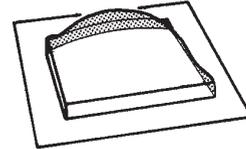
SQUARE & RECTANGULAR FREEBLOWN (SKY-)

Order Code	Length mm	in	Width mm	in	Package Quantity
SKY-1	6	1/4	6	1/4	2
SKY-2	10	3/8	10	3/8	2
SKY-3	13	1/2	13	1/2	2
SKY-14	19	3/4	19	3/4	2
SKY-4	25	1	25	1	2
SKY-5	31	1 1/4	31	1 1/4	2
SKY-7	50	2	50	2	1
SKY-9	100	4	100	4	1
SKY-751	19	3/4	25	1	2
SKY-12	25	1	50	2	1
SKY-24	50	2	100	4	1
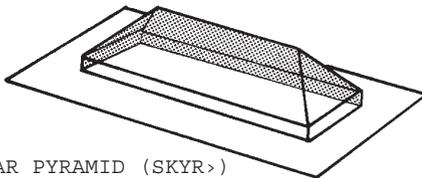
RECTANGULAR PYRAMID (SKYR-)

Order Code	Length mm	in	Width mm	in	Package Quantity
SKYR-1	10	3/8	6	1/4	2
SKYR-2	13	1/2	6	1/4	2
SKYR-3	16	5/8	6	1/4	2
SKYR-4	19	3/4	6	1/4	2
SKYR-11	13	1/2	10	3/8	2
SKYR-12	16	5/8	10	3/8	2
SKYR-13	19	3/4	10	3/8	2
SKYR-21	16	5/8	13	1/2	2
SKYR-22	19	3/4	13	1/2	2
SKYR-23	25	1	13	1/2	2
SKYR-31	19	3/4	16	5/8	2
SKYR-32	25	1	16	5/8	2
SKYR-41	25	1	19	3/4	2
SKYR-25	125	5	50	2	1
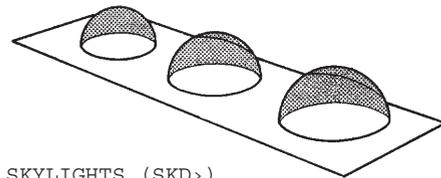
DOME SKYLIGHTS (SKD-)

Order Code	Diameter mm	in	Material Thickness (in)	Package Quantity
SKD-6	6	1/4	.020	6
SKD-9	10	3/8	.020	4
SKD-11	11	7/16	.020	4
SKD-125	13	1/2	.020	4
SKD-14	14	9/16	.030	4
SKD-16	16	5/8	.030	4
SKD-19	19	3/4	.030	5
SKD-25	25	1	.030	5
SKD-28	28	1 1/8	.030	4
SKD-31	31	1 1/4	.030	4
SKD-38	38	1 1/2	.030	3
SKD-44	44	1 3/4	.040	2
SKD-50	50	2	.040	2
SKD-57	56	2 1/4	.040	2
SKD-63	63	2 1/2	.040	2

WINDOWS AND DOORS   These 1/4" (1:48/1:50) scale windows and door frames are beautifully detailed with full 3-step casing profile. Injection molded in white styrene. Actual overall dimensions and package quantity are provided below. Window glass is not included.

DOOR FRAMES & DOORS Scale: 1/4 1:48/1:50 Intr. &

DOOR-30P   DOOR-36P

INTERIOR   EXTERIOR

This 1/4"=1' (1:48) house below was constructed completely of MBS building materials and landscaping.
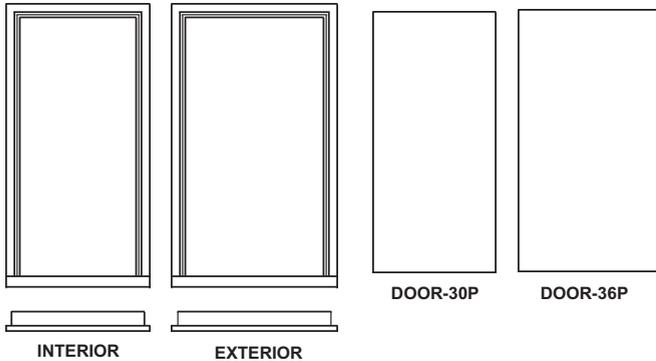
Order Code	Description	Width mm	in	Height mm	in	Pkg Qty
DF-INEX	2 Ext.door frames 2 int.door frames					4
	Interior	22	13/16"	45	1 3/4"	
	Exterior	24	7/8"	45	1 3/4"	
DOOR-30P	fits Interior door frame					4
DOOR-36P	fits Exterior door frame					4

CASEMENT WINDOWS Scale: 1/4 1:48/

D   C   A
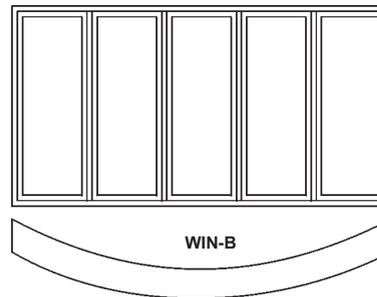
BOW WINDOW Scale: 1/4 1:48/ 1:50
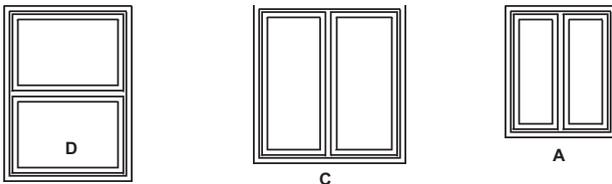
WIN-B

Style	Width mm	in	Height mm	in	Pkg Qty
D	22	7/8"	29	1 1/8"	1
C	25	15/16"	26	1"	1
A	19	3/4"	22	13/16"	1

Order Code: **WIN-50ACD**   1 set of all 3 windows above

Order Code	Width mm	in	Height mm	in	Pkg Qty
WIN-B	54	2 1/8"	29	1 1/8"	2

WINDOWS   These 1/2" (1:24) scale windows are pictured approximately half their actual size. Beautifully detailed and injection molded in white ABS. Each package comes with two casement windows and one combination picture/casement window. Window glass is not included.

Order code: **WIN-24**

PICTURE WINDOWS   A wide multiple panel picture window which can easily be sized to fit the application or design. Injection molded in styrene. Scale overall dimensions (full-size) provided below. Window glass is not included. **Two per package.**
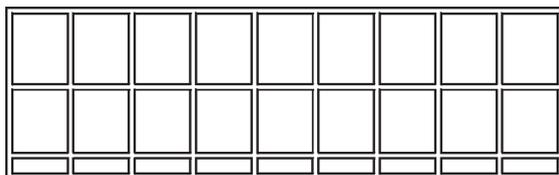
WIN-P50 & WIN-P100

Order Code	Suggested Scale	Scale Width m	in	Scale Height m	in
WIN-P50	1/4 , 1:48	7.0	276	2.25	88.5
WIN-P100	1/8 , 1:100	7.0	276	2.25	88.5

WIN-24
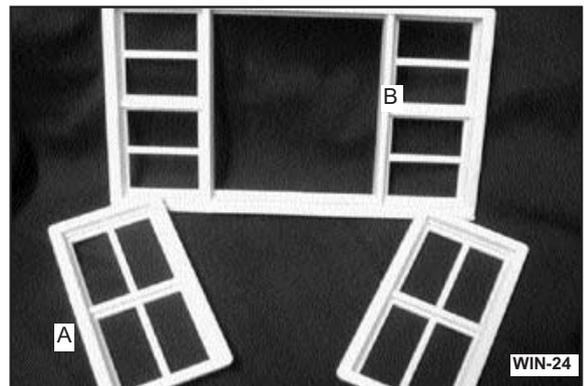
Window Description	Width mm	in	Height mm	in	Pkg.Qty
A. **Casement**	29	1 1/8"	54	2 1/8"	2
B. **Picture**	92	3 5/8"	54	2 1/8"	1

MBS
MODEL BUILDERS SUPPLY

WINDOWS & DOORS IN 1/2" (1:24) SCALE

Highly detailed Georgian & Victorian windows and doors, injection molded in white styrene. These items can be used "as is" with no finishing required. All windows except bow window have grill inserts at the back for insertion of window glass (not included). We recommend our clear co-polyester in either .020" or .030" . All sold individually

Georgian

Order Code	Description **Georgian**	Fits Opening mm	in
J2401	Exterior door without pediment	41x87	1 5/8 x 3 3/8
J2403	12-pane window without pediment	40x63	1 1/2 x 2 1/2
J2404	9-pane window without pediment	40x50	1 1/2 x 1 7/8
J2405	Interior Door - Georgian	35x84	1 3/8 x 3 5/16
J2406	24-pane bow window	80x63	3 3/8 x 2 7/16
J2408	6-pane dormer window	36x33	1 7/16 x 1 5/16
J2409	Pediment for door or window	17x59	11/16 x 2 3/8

Order Code	Description **Victorian**	Fits Opening mm	in
J2410	Exterior door	88x42	3 7/16 x 1 11/16
J2411	4 pane window	38x48	1 1/2 x1 7/8
J2412	6 pane window	38x48	1 1/2 x1 7/8
J2413	12 pane window	38x48	1 1/2 x1 7/8
J2414	2 pane slim window	22x47	7/8 x 1 7/8

Victorian
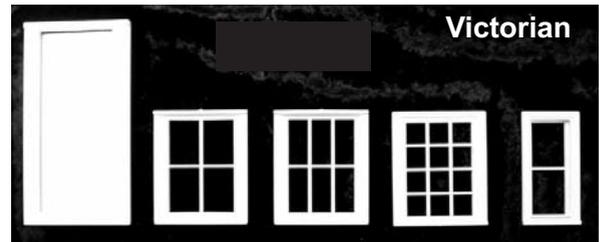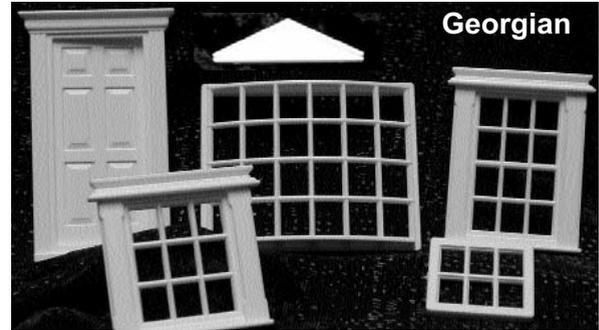
WINDOWS & DOORS 1/4 (1:50) These windows, brows and doors are beautifully detailed. The classic style makes them very popular for todays trends. White injection molded styrene.
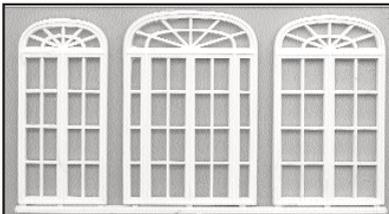
Order Code: WIN-501
pkg qty: 3 windows/doors as shown
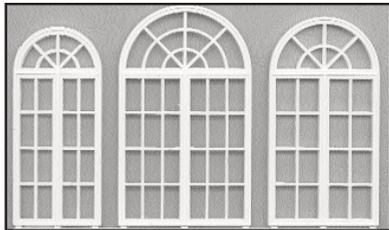
Order Code: WIN-502
pkg qty: 3 windows/doors as shown

Order Code: WIN-503
pkg qty: 3 windows/doors as shown

Actual widths of WINs above- 1- 2 - 3

in	mm	in	mm	in	mm
1"	25	1 1/2"	38	1 1/4"	32

WINs & WINBs are shown at half size.
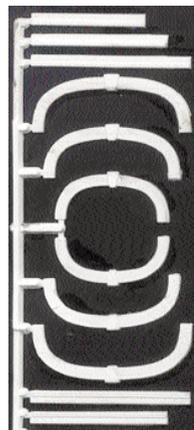
brows & sills 12 pc
fits WIN-501
Code: WINB-501
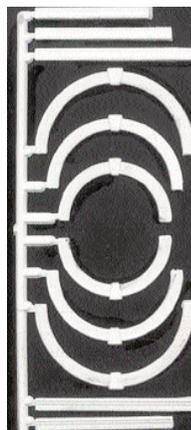
brows & sills 12 pc
fits WIN-502
Code: WINB-502
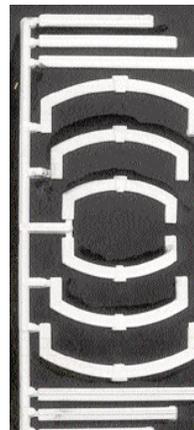
brows & sills 12 pc
fits WIN-503
Code: WINB-503
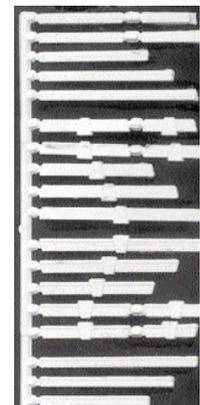
brows & sills 28 pc
fits WIN-505
Code: WINB-505

WINDOWS & DOORS H.O. (1:87) These windows and doors are beautifully detailed. The classic style makes them suitable for todays trends. White injection molded styrene. H.O. can also be used for 1/8" (1:100) scale, it's just slightly bigger.
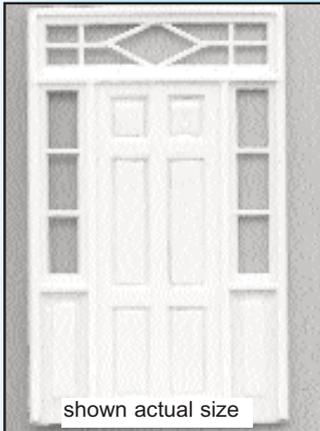
shown actual size

Code: DOOR-501 1 pc (1:50)
2 1/2"(64mm) x 1 7/16"(36mm)
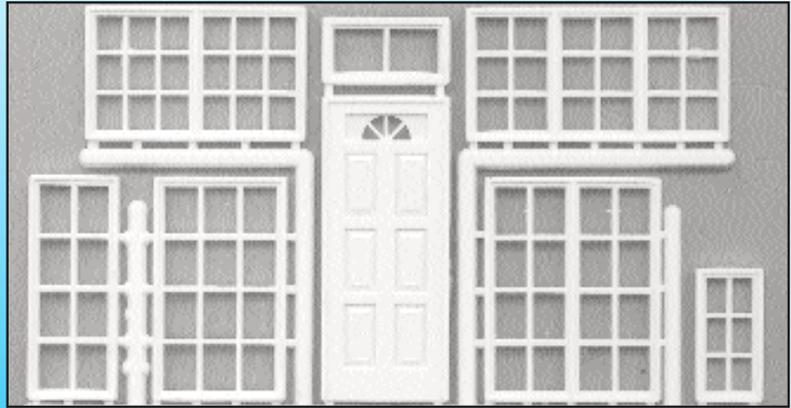
Order Code: WIN-505 pkg qty: 3 windows/doors as shown (actual size)
1/4"=1' (1:50) Door size: 3/4"x 1 3/4" (18mm x 44mm)
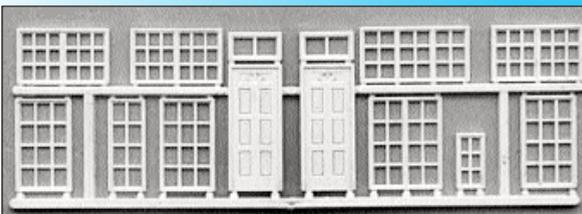
Order Code: WIN-105 12 windows, 2 doors
Door size: 7/16" (11mm) W x 1" (26mm) H
Shown at 70% full size.
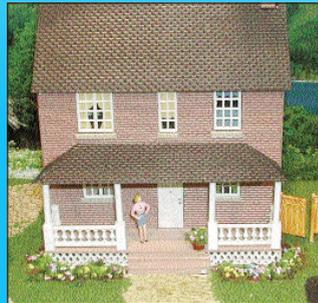
STAINED GLASS WINDOW PANELS IN 1 (1:12) SCALE These clear plastic (co-polyester) panels can be easily trimmed with a sharp knife or scissors to fit window or door openings. They can be framed and hung in front of windows. A piece of mirrored sheet (MGT) placed behind a framed panel works well to illuminate these panels on a blank wall. The illustrations show painted samples (panels are sold clear). To paint, use a fine black permanent plastic marker to fill in grooved side of lines. Then paint on opposite side with transparent or opaque acrylic paints or felt markers. Illustrations not actual size. **Panels are sold individually.**

SERIES 1 STAINED GLASS PANELS These panels can be sized to fit a wide range of windows and door panels. **Panels are sold unpainted.shown half actual size.**
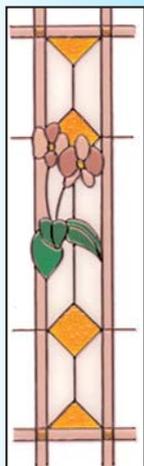
Order Code	Approximate dimensions	
	mm	in
STG-12A	30 X 130	1 1/4 X 5 1/8
STG-12B	55 X 95	2 1/8 X 3 5/8
STG-12C	50 X 75	2 X 3

STG-12A

STG-12B

STG-12C

SERIES 2 STAINED GLASS PANELS The SERIES 2 panels are designed to fit standard sized doors. STG2-12A may need to include surround plastic to fit in some windows. **Panels are sold unpainted. shown half actual size**
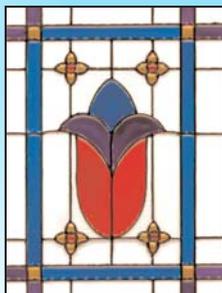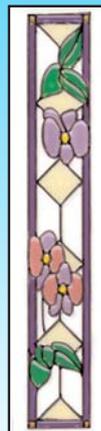
Order Code	Approximate dimensions	
	mm	in
STG2-12A	20 X 120	13/16 X 4 3/4
STG2-12B	45 X 60	1 3/4 X 2 3/8
STG2-12C	50 X 65	2 X 2 5/8

STG2-12A

STG2-12B

STG2-12C

MBS
MODEL BUILDERS SUPPLY

PAPER PATTERNED SHEETS   We offer a good range of full colour patterned sheets printed on high quality paper. All sheets are 197mm x 256mm (7 7/8" x 10 1/4"). Order code numbers are indicated below each illustration. Multiple order codes below an illustration indicate that there are more than one colour style for that pattern. The accompanying table identifies the order codes for all of the available sheets together with their description, colour style and suggested scale where appropriate. All illustrations are actual size. (7 7/8" x 10 1/4" except PSP-46 71/2 x 10").

HOW TO USE: Paper patterned sheets are easy to glue down with STICKM, spray adhesive or wallpaper glue. Brush on ULTRA PODGE matte or gloss with a foam brush to seal the surface and give it a realistic look. Gloss is great on marble, wood floor and tile. **Each package contains two sheets.**

PSP-38 dk. PSP-39 lt. shown Hardwood Flooring	**PSP-36 dk.** shown **PSP-37 lt.** Hardwood Flooring	**PSP-20 PSP-21 PSP-22 PSP-24** Wood Grain	**PSP-27** Parquet Flooring	**PSP-26** Parquet Flooring
PSP-46 Parquet Flooring	**PSP-98** Brick	**PSP-97** Brick	**PSP-93** Brick	**PSP-92** Brick
PSP-91 Brick	**PSP-94** Interlocking Paving Bricks	**PSP-95** Interlocking Paving Bricks	**PSP-96** Interlocking Paving Bricks	**PSP-78 PSP-79** Split-face stone
PSP-85 PSP-86 Dressed Stone Block	**PSP-83** Random Stone	**PSP-82** Random Stone	**PSP-80** Pebbles	**PSP-81** Pebbles
PSP-67 Marble	**PSP-65** Rough Marble	**PSP-62 PSP-63 PSP-64 PSP-68** Marble	**PSP-66** Chip Marble	**PSP-42 PSP-43** Patterned Square Tile
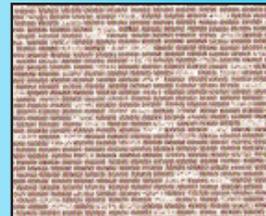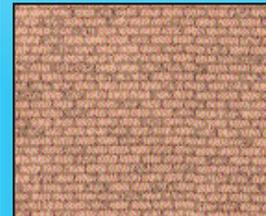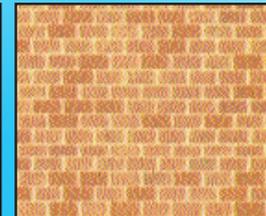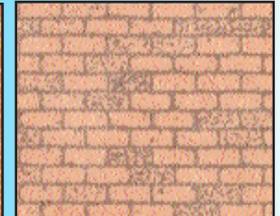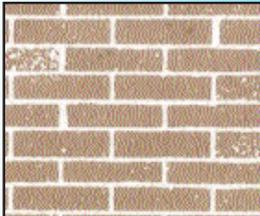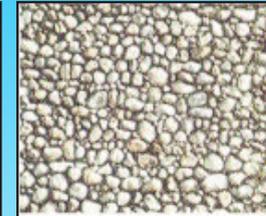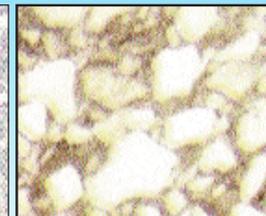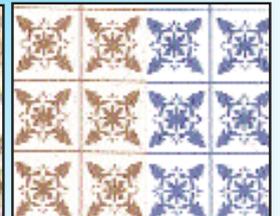
MBS MODEL BUILDERS SUPPLY

Order Code	Description	Colour Style	Scale or Crit. Dim.
PSP-20	Woodgrain	Cedar	--
PSP-21	Woodgrain	Pine	--
PSP-22	Bamboo	Medium tone	1" ,1:12
PSP-23	Woodgrain	Mahogany	--
PSP-24	Woodgrain	Walnut	--
PSP-26	Parquet Flooring	Medium tone	1", 1:12
PSP-27	Parquet Flooring	Medium tone	1/2", 1:24
PSP-36	Hardwood Flooring	Dark	1", 1:12
PSP-37	Hardwood Flooring	Light	1", 1:12
PSP-38	Hardwood Flooring	Dark	1/2", 1:24
PSP-39	Hardwood Flooring	Light	1/2", 1:24
PSP-42	Patterned Square Tile	Brown	9.6mm, 3/8"sq.
PSP-43	Patterned Square Tile	Blue	9.6mm, 3/8"sq.
PSP-46	Parquet Flooring	Medium tone	Playscale
PSP-62	Marble	White/grey-green vein	Various
PSP-63	Marble	Dark green/white vein	Various
PSP-64	Marble	Black/white vein	Various
PSP-65	Rough Marble	Pink	Various
PSP-66	Chip Marble	Beige	Various
PSP-67	Marble	Black/beige	Various

Order Code	Description	Colour Style	Scale or Crit. Dim.
PSP-68	Marble	Grey/white vein	Various
PSP-78	Split-face Stone	Grey	Various
PSP-79	Split-face Stone	Yellow/Grey	Various
PSP-80	Smll Pebbles	Grey	Various
PSP-81	Large Pebbles	Grey	Various
PSP-82	Random Stone	Grey	Various
PSP-83	Random Stone	Grey	Various
PSP-85	Dressed Stone Block	Green/Grey	Various
PSP-86	Dressed Stone Block	Grey	Various
PSP-91	Brick	Red brick	3/4" ,1:18
PSP-92	Brick	Red brick	3/8", 1:32
PSP-93	Brick	Light red	O1/4", 1:50
PSP-94	Interlocking Paving Bricks	Dark red	HO 1/8", 1:100
PSP-95	Interlocking Paving Bricks	Dark red	O 1/4", 1:50
PSP-96	Interlocking Paving Bricks	Dark red	G 1/2", 1:24
PSP-97	Brick	Dark red	HO 1/8", 1:100
PSP-98	Brick	Red brick	HO 1/8", 1:100

MBS patterned sheets come packaged with instructions. Some are available in bulk singles.

Plain Sheets

MBS
MODEL BUILDERS SUPPLY

CLEAR CO>POLYESTER SHEET   A tough clear material which is economical & well-suited as a substitute for acrylic in less demanding applications. Copoly resists warping (even when painted) yet is easily formed. Cut with a knife right through (particularly the thicker material) as it will bend rather than snap along a score line. Can be cut with a saw without chipping, cracking, or burring,can also be laser cut. Bonds well to itself & styrene with solvent cement. Sheets come with protective blue polyfilm on both sides. 24x36" sheets are not packaged. 12x24 sheets are packaged in singles. 7x12" sheets are packaed in quantities indicated below.

Thickness mm	inches	Sheet size mm	inches	Order Code	Pkg. Qty.
0.50	.020	300 x 600	12 x 24	COP-020	1
0.50	.020	600 x 900	24 x 36	COP-120	1
0.75	.030	300 x 600	12 x 24	COP-030	1
0.75	.030	600 x 900	24 x 36	COP-130	1
1.00	.040	300 x 600	12 x 24	COP-040	1
1.00	.040	600 x 900	24 x 36	COP-140	1
1.50	.060	300 x 600	12 x 24	COP-060	1
1.50	.060	600 x 900	24 x 36	COP-160	1

Thickness mm	inches	Sheet size mm	inches	Order Code	Pkg. Qty.
0.50	.020	175 X 300	7X12	SSC-102P	3
0.75	.030	175 X 300	7X12	SSC-103P	3
1.00	.040	175 X 300	7X12	SSC-104P	3
1.50	.060	175 X 300	7X12	SSC-106P	2

It is particularly suited for the rapid construction of building shells & structural items which need to be scratchbuilt. All thicknesses can be scored with a sharp knife & snapped along the score line to give quick & accurate sizing of pieces. Styrene can also be cut with razor saws, coping or fret saws. Thicknesses up to .030" (.75mm) can be easily bent to form curved surfaces. Bonding is accomplished by applying small quantities of solvent cement (MBS code APSC-1) along dry assembled joints. Setup time for bonding joints is roughly 10 to 30 seconds depending on the amount of solvent used. Styrene can be sanded & painted with acrylic or enamel paints. 12x24 sheets are packaged in singles. 7x12" sheets are packaed in quantities indicated below.

WHITE STYRENE SHEET   Opaque white styrene is the material of choice for general fabrication because it is versatile, easy to use & economical. Matte finish which can accept printing.

Thickness mm	inches	Sheet size mm	inches	Order Code
0.50	.020	300 x 600	12 x 24	STSW-20
0.50	.020	600 x 900	24 x 36	STSW-120
0.75	.030	300 x 600	12 x 24	STSW-30
0.75	.030	600 x 900	24 x 36	STSW-130
1.00	.040	300 x 600	12 x 24	STSW-40
1.00	.040	600 x 900	24 x 36	STSW-140
1.50	.060	300 x 600	12 x 24	STSW-60
1.50	.060	600 x 900	24 x 36	STSW-160
2.00	.080	300 x 600	12 x 24	STSW-80
2.00	.080	600 x 900	24 x 36	STSW-180
3.13	.125	300 x 600	12 x 24	STSW-125
3.13	.125	600 x 900	24 x 36	STSW-1125

Thickness mm	inches	Sheet size mm	inches	Order Code	Qty.	Pkg.
0.50	.020	175 x 300	7x12	SSS-102P		10
0.75	.030	175 x 300	7x12	SSS-103P		5
1.00	.040	175 x 300	7x12	SSS-104P		5
1.50	.060	175 x 300	7x12	SSS-106P		4
2.00	.080	175 x 300	7x12	SSS-108P		3
2.50	.100	175 x 300	7x12	SSS-110P		2
3.13	.125	175 x 300	7x12	SSS-125P		2

All 7"x12" packages have cutting & painting instructions included on the header.

RB   CG   BG   BK

COLOURED STYRENE SHEET   Opaque styrene in 4 matching colours to our patterned sheet stock. White & clear available above, metallic not available. For general fabrication, easy to use & economical.

Thickness mm	inches	Sheet size mm	inches	Colour	Order Code	Pkg. Qty.
0.50	.020	175 X 300	7X12	Red brick	SSS-203R	2
0.50	.020	175 X 300	7X12	Concrete grey	SSS-303CG	2
0.50	.020	175 X 300	7X12	Battleship grey	SSS-403BG	2
0.50	.020	175 X 300	7X12	Black	SSS-503BK	2
0.50	.020	175 X 600	7X24	Red brick	SSS-213R	2
0.50	.020	175 X 600	7X24	Concrete grey	SSS-313CG	2
0.50	.020	175 X 600	7X24	Battleship grey	SSS-413BG	2
0.50	.020	175 X 600	7X24	Black	SSS-513BK	2

PLASTIC PATTERNED SHEETS   Model Builders Supply is the world leader in plastic textured pattern sheets. We present here the most accurate patterns available in the widest selection of styles, scales, and colours. Molded in .020" styrene sheet, these patterned sheets are readily painted, sized and applied to a variety of surfaces. They provide highly realistic surface finishes for cladding the exterior of buildings, flooring, paving and a range of other applications. Illustrations of each style and scale are provided together with the basic code, description, and suggested scale. To the extent possible, illustrations are actual size. Please note that scale indications are a guideline only: depending on the application some crossover in scale may be desirable. For some styles dimensional information (such as the spacing between planks, ribs, or the size of tile) is provided rather than scale.   A separate table is provided which identifies the full selection of coded items available. For example, a particular style and scale of sheet may be available in several colour choices (see above for colour samples) or in more than one size. You will find the Order Codes for each of these items in the reference table.

Please refer to the reference table (in this section) for order codes, colours and special notes when ordering.

BR-1 Brick 1" (1:12)	**BR-2** Brick 1/2" G (1:24)	**BR-4** Brick 1/4" O (1:50)	**BR-8** Brick 1/8" HO (1:100)	**BR-10** Brick 3/32" (1:150)
BR-16 Brick N or Z 1/16" (1:200)	**RBR-1 & RBR-12** Rough Brick 1" (1:12)	**RBR-2** Rough Brick 1/2" G (1:24)	**RBR-4** Rough Brick 1/4" O (1:50)	**RBR-8** Rough Brick 1/8" HO (1:100)
BL-1 Concrete Block 1" (1:12)	**BL-2** Concrete Block 1/2" G (1:24)	**BL-4** Concrete Block 1/4" O (1:50)	**BL-8** Concrete Block 1/8" HO (1:100)	**DSC-1 & DSC-12** Dressed Stone 1" (1:12)
DSC-2 Dressed Stone 1/2" G (1:24)	**SCG** Irregular Stone 1/4" O (1:50)	**SCMG** Irregular Stone 1/8" HO(1:100)	**SCSG** Irregular Stone 1/16" N orZ (1:200)	**DSLG** Dressed Stone 1/4" O (1:50)
DSMG Dressed Stone 1/8" HO (1:100)	**RSG** Random Stone 1/8" HO (1:100)	**FS-1 & FS-12** Fieldstone 1" (1:12)	**FS-2** Fieldstone 1"or1/2" (1:12 or1:24)	**FS-22** Fieldstone 1/2" G (1:24)
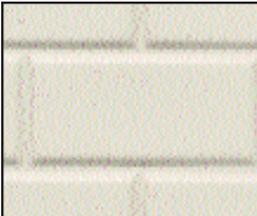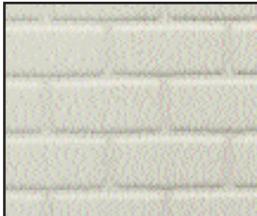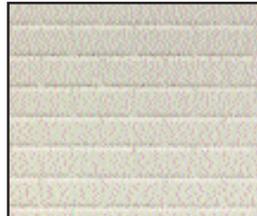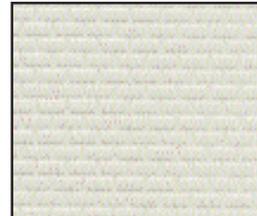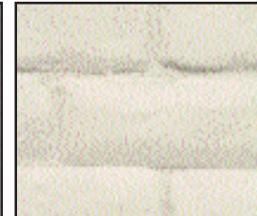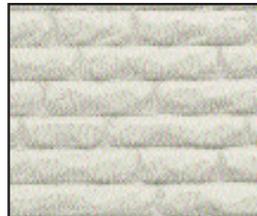
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FS-35
Fieldstone 3/8" (1:32)

FS-4
Fieldstone 1/4" O (1:50)

FS-8
Fieldstone 1/8" HO (1:100)

FS0-8
Random Stone 1/8" HO (1:100)
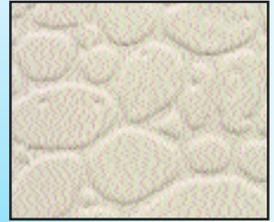
RPG-1 & RPG-12
Random Pebbles 1" (1:12)

RPG-2
Random Pebbles 1/2" G (1:24)
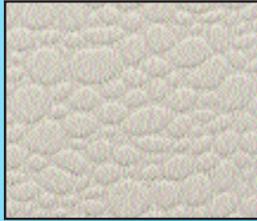
RPG-4
Random Pebbles 1/4" O (1:50)

RPG-8
Random Pebbles 1/8" HO(1:100)
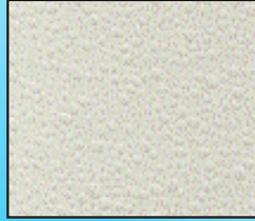
RPG-16
Random Pebbles 1/16" N(1:200)

CBL-12
Castle Stone 1" (1:12)
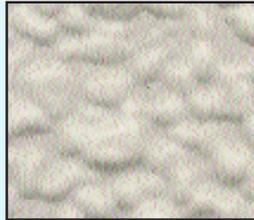
ROCK-1
Rock Embankment 1/4" O(1:50)

ROCK-2
Rock Embnkmnt 1/8" HO(1:100)

STUCO-1
Coarse Stuco/Road (Various)

STUCO-2 & STUCO-22
Medium Stuco/Road (Various)

STUCO-3 & STUCO-32
Fine Stuco (Various)
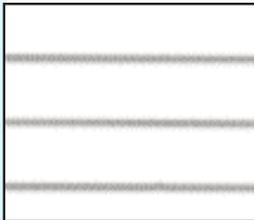
SH-2
Clapboard Siding 8mm (5/16")
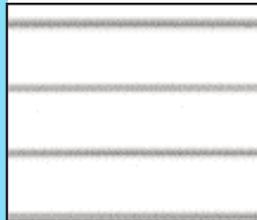
SH-12 & SH-12L
Clapboard Siding 10mm (3/8")
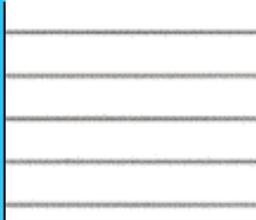
SH-3
Clapboard Siding 6mm (1/4")

SH-4
Clapboard Siding 5mm (3/16")

SH-8
Clapboard Siding 3mm (1/8")
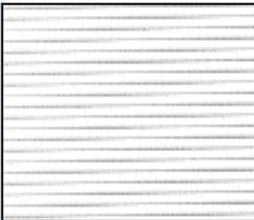
SH-16
Clapboard Siding 2mm (1/16")

VSR-12
Vertical Rib Roof 1" (1:12)

VSR-3
Vertical Rib Siding 3/8" (1:32)

VSR-4
Vertical Rib Siding 1/4" (1:50)
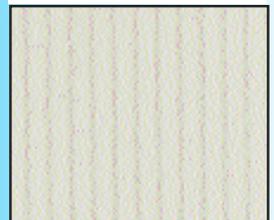
VSR-8
Vertical Rib Siding 1/8" (1:100)

SCS-16
Corrugated Siding 1/2" (1:24)

SCS-12
Corrugated Siding 3/8" (1:32)
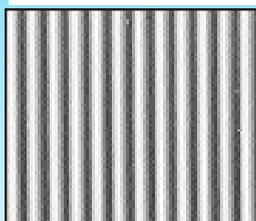
SCS-10
Corrugated Siding 1/16" (1:200)
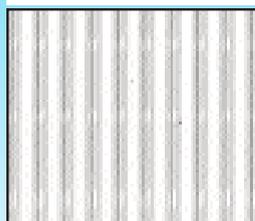
SCS-8
Corrugated Siding 1/8" (1:100)

PL-6 & PL-6L
Planking 6mm (1/4")

Patterned Finishing Sheets

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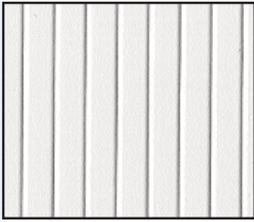
PL-4 & PL-4L
Planking 5/32" (4mm)
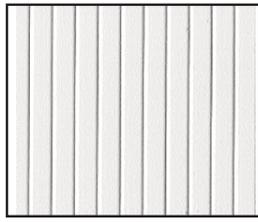
PL-3 & PL-3L
Planking 1/8" (3mm)
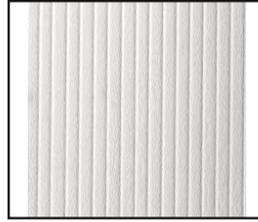
PL-2 & PL-2L
Planking 3/32" (2mm)

PL-15 & PL-15L
Planking 1/16" (1.5mm)

PL-1 & PL-1L
Planking 3/64" (1mm)

PL-05
Planking .5mm (1/32")

BB-12
Board & Batten 1" (1:12)
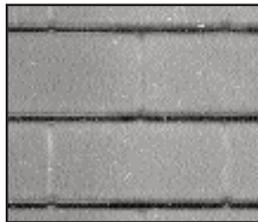
RS-1
Smooth Shingles 1" (1:12)

RS-12
Asphalt Shingles 1" (1:12)

RS-2
Asphalt Shingles 1/2" G (1:24)

RS-4
Asphalt Shingles 1/4" O (1:48)
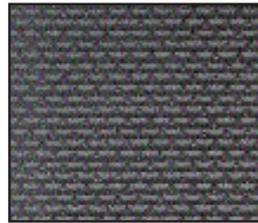
RS-8
Asphalt Shingles 1/8" HO(1:100)
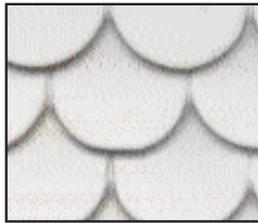
RTI-1 & RTI-12
Scalloped Tiles 1" (1:12)
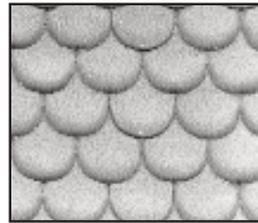
RTI-2 (w/ ridge cap)
Scalloped Tiles 1/2" G (1:24)

RTI-4 (w/ ridge cap)
Scalloped Tiles 1/4" O (1:50)

RTI-8
Scalloped Tiles 1/8" HO (1:100)

WSRS-1 & WSRS-12
Cedar Shakes 1" (1:12)
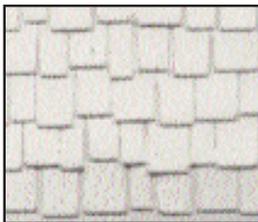
WSRS-2
Cedar Shakes 1/2" G (1:24)
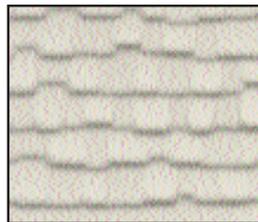
WSRS-4
Cedar Shakes 1/4" O (1:48)
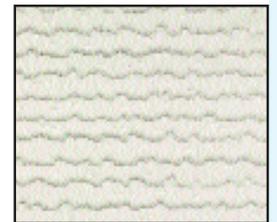
WSRS-8
Cedar Shakes 1/8" HO (1:100)
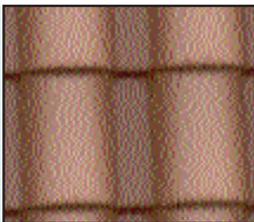
SRT-1 & SRT-12
Spanish Tiles 1" (1:12)
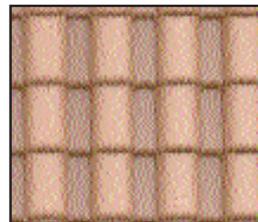
SRT-2
Spanish Tiles 1/2" G (1:24)

SRT-4
Spanish Tiles 1/4" O (1:48)

SRT-8 (w/ ridge cap)
Spanish Tiles 1/8" HO (1:100)
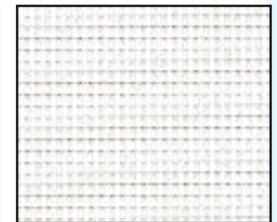
SRT-16
Spanish Tiles 1/16" N/Z (1:200)

RCT-12
Ridged Clay Tiles 1" (1:12)
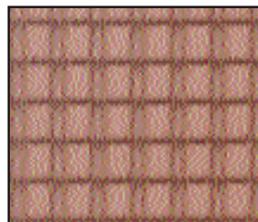
**RCT-4**
Ridged Clay Tiles 1/4" O (1:48)

RCT-8
Ridged Cly Tiles 1/8" HO(1:100)

SLT-12
Slate Roof 1" (1:12)

**MBS**
MODEL BUILDERS SUPPLY

INTH-1 & INTH-12
Interlock Pavers 1" (1:12)

INTH-2
Interlock Pavers 1/2" G (1:24)

INTH-4
Interlock Pavers 1/4" O (1:48)

INTH-8
Interlock Pavers 1/8" HO (1:100)

DRG
Stone Flooring 1/4" O (1:50)
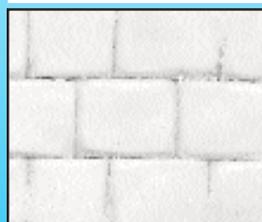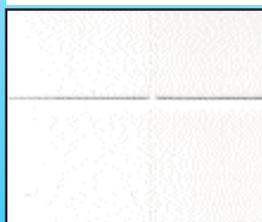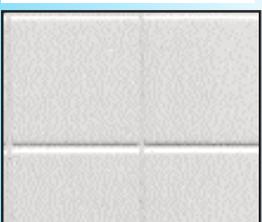
FLG-12
Flagstone 1" (1:12)

FLG-2
Flagstone 1/2" (1:24)

COB-12
Cobble Stone 1" (1:12)

SQ-1
Square tile 1" (25mm)

SQ-12
Square tile 3/4" (18.8mm)
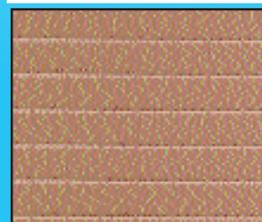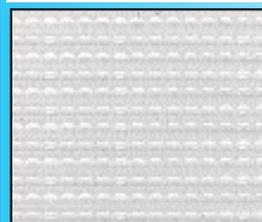
SQ-2
Square tile 1/2" (12.7mm)

SQ-4
Square tile 1/4" (6.4mm)

SQ-5
Square tile 1/5" (5mm)

SQ-10
Square tile   1/10" (2.5mm)

SQ-13
Square tile   1/13" (2mm)
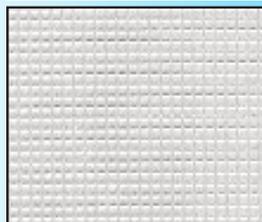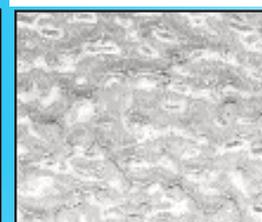
SQ-16
Square tile   1/16" (1.6mm)

VCP-
Checker Plate 3/8" (1:32)

PRWL-C
Large Water (Various scales)

PRWR-C
Rough Water (Various scales)

PRWM-C
Medium Water (Various scales)
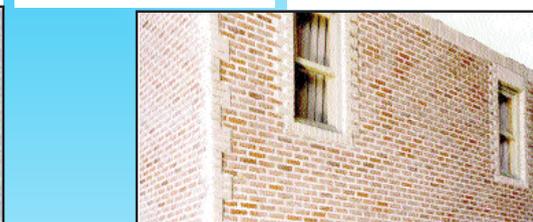
PRWS-C
Small water (Various scales)

ROAD-A
Asphalt textured roadway

ROAD-C
Concreate textured
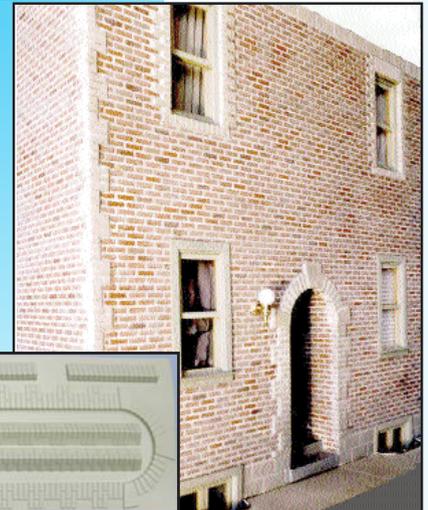
DECORATIVE ACCENT BRICK This sheet of 1" (1:12) decorative brick accents comprises sur-rounds for a Palladian window and door, plus 2 styles of corner brick detail (quoins) and 4 sets of sills or "eyebrow" headers. Brick style matches our regular brick BR›1 but also can be effectively matched with our rough brick RBR›1 or RBR›12 Accent pieces require trimming from the sheet with a sharp hobby knife. Vacuum-formed in .020" styrene in either red brick or concrete grey. Sheet size is 175mm x 600mm (7"x24").

Order Code: DEC-12CG (Concrete Grey) **DEC-12RB** (Red)
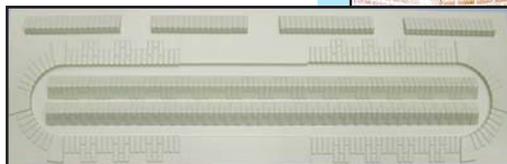
PLASTIC PATTERNED SHEETS REFERENCE TABLE This table lists **alphabetically** all of the individual styles, scales, sizes and colours of plastic patterned sheets shown on the preceding pages. Note, some sheets are available in two different sizes (this is particularly true of 1"(1:12) scale materials), as well as in different colours. The indication of scale is for a guideline only. Note that for some patterns such as planking, siding, and square tile, the spacing of the pattern is provided rather than scale information. RAILROAD GAUGES When selecting for railroad scales, G-gauge most closely matches materials listed as 1/2"(1:24), O-gauge 1/4"(1:50) and HO-gauge 1/8"(1:100).

Packaged Sheets: 7x12" and 7x24"sheets are available packaged with instructions. 7x12" 2 per pack, 7x24" 1 per pack, for these packaged sheets add a '/P' to the end of the code. (ie: BR-4/P). 14x24" sheets always come packaged (1's) with instructions, a 'P' is not required. ***When multiple colours are offered, please make sure a colour code is indicated when ordering ( ).

Order Code	Description	Scale or Crit. Dim.	Colours Available	Size mm	in
BB-12	Board & Batten	1", 1:12	Concrete Grey	355x600	14x24
BL-1	Concrete Block	1", 1:12	Concrete Grey	175x600	7x24
BL-2	Concrete Block	1/2", 1:24 G	Concrete Grey	175x600	7x24
BL-4	Concrete Block	1/4", 1:50 O	Concrete Grey	175x300	7x12
BL-8	Concrete Block	1/8, 1:100HO	Concrete Grey	175x300	7x12
BR-1	Brick	1", 1:12	Red Brick	175x600	7x24
BR-2	Brick	1/2", 1:24 G	Red Brick	175x600	7x24
BR-4	Brick	1/4", 1:50 O	Red Brick	175x300	7x12
BR-8	Brick	1/8, 1:100 HO	Red Brick	175x300	7x12
BR-10	Brick	3/32", 1:150 O	Red Brick	175x300	7x12
BR-16	Brick	1/16", 1:200 N orZ	Red Brick	175x300	7x12
CBL-12BG	Castle Stone	1", 1:12	Battleship Grey	355x600	14x24
CBL-12CG	Castle Stone	1", 1:12	Concrete Grey	355x600	14x24
COB-12	Cobble Stone	1",1:12	Battleship Grey	355x600	14x24
CRAT	Craters	Various	Concrete Grey	175x300	7x12
DRG	Stone Flooring	Various	Concrete Grey	175x300	7x12
DSC-1	Dressed Stone	1", 1:12	Concrete Grey	175x600	7x24
DSC-12	Dressed Stone	1", 1:12	Concrete Grey	355x600	14x24
DSC-2	Dressed Stone	1/2", 1:24 G	Concrete Grey	175x300	7x12
DSLG	Dressed Stone	1/4", 1:50 O	Concrete Grey	175x300	7x12
DSMG	Dressed Stone	1/8, 1:100 HO	Concrete Grey	175x300	7x12
FLG-12	Flagstone	1", 1:12	Concrete Grey	355x600	14x24
FLG-2	Flagstone	1/2", 1:24	Concrete Grey	175x600	7x24
FS-1	Fieldstone	1", 1:12	Concrete Grey	175x600	7x24
FS-12	Fieldstone	1", 1:12	Concrete Grey	355x600	24x14
FS-2	Fieldstone	1/2", 1:24 G	Concrete Grey	175x300	7x12
FS-22	Fieldstone	1/2", 1:24 G	Concrete Grey	175x300	7x12
FS-35	Fieldstone	3/8", 1:32	Concrete Grey	175x300	7x12
FS-4	Fieldstone	1/4", 1:50 O	Concrete Grey	175x300	7x12
FS-8G	Fieldstone	1/8, 1:100 HO	Concrete Grey	175x300	7x12
FSO-8	Fieldstone	1/8, 1:100 HO	Concrete Grey	175x300	7x12
GB-2	Glass Block	1/2",12.7mm	Clear	175x300	7x12
INTH-12CG	Paving Stones	1", 1:12	Concrete Grey	355x600	14x24
INTH-12R	Paving Stones	1", 1:12	Red Brick	355x600	14x24
INTH-1CG	Paving Stones	1", 1:12	Concrete Grey	175x600	7x24
INTH-1R	Paving Stones	1", 1:12	Red Brick	175x600	7x24
INTH-2( )	Paving Stones	1/2", 1:24 G	Red Brick or CG	175x600	7x24
INTH-4( )	Paving Stones	1/4", 1:50 O	Red Brick or CG	175x300	7x12
INTH-8( )	Paving Stones	1/8", 1:100 HO	Red Brick or CG	175x300	7x12
PL-6	Planking	6mm,1/4"	White	175x300	7x12
PL-6L	Planking	6mm,1/4"	White	175x600	7x24
PL-4	Planking	4mm,5/32"	White	175x300	7x12
PL-4L	Planking	4mm,5/32"	White	175x600	7x24
PL-3	Planking	3mm,1/8"	White	175x300	7x12
PL-3L	Planking	3mm,1/8"	White	175x600	7x24
PL-2	Planking	2mm,3/32"	White	175x300	7x12
PL-2L	Planking	2mm,3/32"	White	175x600	7x24
PL-15	Planking	1.5,1/16"	White	175x300	7x12
PL-15L	Planking	1.5mm, 1/16"	White	175x600	7x24
PL-1	Planking	1mm, 3/64"	White	175x300	7x12
PL-1L	Planking	1mm, 3/64"	White	175x600	7x24
PL-05	Planking	.05mm, 1/32"	White	175x300	7x12
PRWL-0C	Large Water	Various	Clear	355x600	14x24
PRWL-C	Large Water	Various	Clear	175x300	7x12
PRWR-C	Rough Water	Various	Clear	175x300	7x12

Order Code	Description	Scale or Crit. Dim.	Sheet Colour	Size mm	in
PRWM-0C	Medium Water	Various	Clear	355x600	14x24
PRWM-C	Medium Water	Various	Clear	175x300	7x12
PRWS-0C	Small Water	Various	Clear	355x600	14x24
PRWS-C	Small Water	Various	Clear	175x300	7x12
RBR-1	Rough Brick	1", 1:12	Red Brick	175x600	7x24
RBR-12R	Rough Brick	1", 1:12	Red Brick	355x600	14x24
RBR-12CG	Rough Brick	1", 1:12	Concrete Grey	355x600	14x24
RBR-2	Rough Brick	1/2", 1:24 G	Red Brick	175x600	7x24
RBR-4	Rough Brick	1/4", 1:50 O	Red Brick	175x300	7x12
RBR-8	Rough Brick	1/8, 1:100 HO	Red Brick	175x300	7x12
RCT-12	Ridged Clay Tiles	1", 1:12	Red Brick	355x600	14x24
RCT-4	Ridged Clay Tiles	1/4", 1:50 O	Red Brick	175x300	7x12
RCT-8	Ridged Clay Tiles	1/8", 1:100 HO	Red Brick	175x300	7x12
ROAD-A	Asphalt Roadway	Various	Black	355x600	14x24
ROAD-C	Concrete Roadway	Various	Battleship Grey	355x600	14x24
ROCK-1	Rock Embank.	1/4", 1:50 O	Concrete Grey	175x300	7x12
ROCK-2	Rock Embank.	1/8, 1:100 HO	Concrete Grey	175x300	7x12
RPG-1	Random Pebble	1", 1:12	Concrete Grey	175x600	7x24
RPG-12	Random Pebble	1", 1:12	Concrete Grey	355x600	14x24
RPG-2	Random Pebble	1/2", 1:24 G	Concrete Grey	175x600	7x24
RPG-4	Random Pebble	1/4", 1:50 O	Concrete Grey	175x300	7x12
RPG-8	Random Pebble	1/8, 1:100 HO	Concrete Grey	175x300	7x12
RPG-16	Random Pebble	1/16", 1:200 N/Z	Concrete Grey	175x300	7x12
RS-1	Asphalt Shingles smth	1", 1:12	Black	175x600	7x24
RS-12BG	Asphalt Shingles	1", 1:12	Battleship Grey	355x600	14x24
RS-12BK	Asphalt Shingles	1", 1:12	Black	355x600	14x24
RS-2( )	Asphalt Shingles	1/2", 1:24 G	Black or battleship	175x600	7x24
RS-4( )	Asphalt Shingles	1/4", 1:50 O	Black or battleship	175x300	7x24
RS-8( )	Asphalt Shingles	1/8", 1:100 HO	Black or battleship	175x300	7x12
RSG	Random Stone	1/8, 1:100 HO	Concrete Grey	175x300	7x12
RTI-1( )	Pan Tile Roofing	1", 1:12	Battleship GreyorRed	175x600	7x24
RTI-12( )	Pan Tile Roofing	1", 1:12	Battleship GreyorRed	355x600	14x24
RTI-2( )	Pan Tile Roofing	1/2", 1:24 G	Battleship GreyorRed	175x600	7x24
RTI-4( )	Pan Tile Roofing	1/4", 1:50 O	Battleship GreyorRed	175x300	7x12
RTI-8( )	Pan Tile Roofing	1/8", 1:100 HO	Battleship GreyorRed	175x300	7x12
SCS-10	Corrug. Siding	1/16, 1:200 N/Z	White	175x300	7x12
SCS-10M	Corrug. Siding	1/16, 1:200 N/Z	Metallic	175x300	7x12
SCS-12	Corrug. Siding	3/8", 1:32	Clear	175x600	7x24
SCS-12M	Corrug. Siding	3/8", 1:32	Metallic	175x600	7x24
SCS-16C	Corrug. Siding	1/2", 1:24 G	Clear	175x600	7x24
SCS-16M	Corrug. Siding	1/2", 1:24 G	Metallic	175x600	7x24
SCS-8	Corrug. Siding	1/8, 1:100 HO	White	175x300	7x12
SCS-8M	Corrug. Siding	1/8, 1:100 HO	Metallic	175x300	7x12
SCG	Irregular Stone	1/4", 1:50 O	Concrete Grey	175x300	7x12
SCMG	Irregular Stone	1/8, 1:100 HO	Concrete Grey	175x300	7x12
SCSG	Irregular Stone	1/16", 1:200 N/Z	Concrete Grey	175x300	7x12
SH-2	Clapboard Siding	8mm,5/16"	White	175x555	7x22
SH-12	Clapboard Siding	10mm,3/8"	White	355x600	14x24
SH-12L	Clapboard siding long	10mm, 3/8"	White	600x355	24x14
SH-3	Clapboard Siding	6mm,1/4"	White	175x555	7x22
SH-4	Clapboard Siding	5mm,3/16"	White	175x300	7x12
SH-8	Clapboard Siding	3mm,1/8"	White	175x300	7x12
SH-16	Clapboard Siding	2mm,1/16"	White	175x300	7x12
SLT-12	Slate Roof	1" ,1:12	Battleship Grey	355x600	14x24

PLASTIC PATTERNED SHEETS REFERENCE TABLE CONT D.

Order Code	Description	Scale or Crit. Dim.	Sheet Colour	Size mm	in
SQ-1C	Square Tile	25mm,1"	Clear	175x300	7x12
SQ-1BG	Square Tile	25mm,1"	Battleship Grey	175x300	7x12
SQ-1R	Square Tile	25mm,1"	Red Brick	175x300	7x12
SQ-1W	Square Tile	25mm,1"	White	175x300	7x12
SQ-12C	Square Tile	19.2mm, 3/4"	Clear	355x600	14x24
SQ-12R	Square Tile	19.2mm, 3/4"	Red	355x600	14x24
SQ-12W	Square Tile	19.2mm, 3/4"	White	355x600	14x24
SQ-2C	Square Tile	12.7mm, 1/2"	Clear	175x300	7x12
SQ-2BG	Square Tile	12.7mm, 1/2"	Battleship Grey	175x300	7x12
SQ-2R	Square Tile	12.7mm, 1/2"	Red Brick	175x300	7x12
SQ-2W	Square Tile	12.7mm, 1/2"	White	175x300	7x12
SQ-4C	Square Tile	6.4mm, 1/4"	Clear	175x300	7x12
SQ-4BG	Square Tile	6.4mm, 1/4"	Battleship Grey	175x300	7x12
SQ-4R	Square Tile	6.4mm, 1/4"	Red Brick	175x300	7x12
SQ-4W	Square Tile	6.4mm, 1/4"	White	175x300	7x12
SQ-5C	Square Tile	5mm, 1/5"	Clear	175x300	7x12
SQ-5BG	Square Tile	5mm, 1/5"	Battleship Grey	175x300	7x12
SQ-5R	Square Tile	5mm, 1/5"	Red Brick	175x300	7x12
SQ-5W	Square Tile	5mm, 1/5"	White	175x300	7x12
SQ-10C	Square Tile	2.5mm, 1/10"	Clear	175x300	7x12
SQ-10BG	Square Tile	2.5mm, 1/10"	Battleship Grey	175x300	7x12
SQ-10R	Square Tile	2.5mm, 1/10"	Red Brick	175x300	7x12
SQ-10W	Square Tile	2.5mm, 1/10"	White	175x300	7x12
SQ-13C	Square Tile	2mm, 1/13"	Clear	175x300	7x12
SQ-13BG	Square Tile	2mm, 1/13"	Battleship Grey	175x300	7x12
SQ-13R	Square Tile	2mm, 1/13"	Red Brick	175x300	7x12
SQ-13W	Square Tile	2mm, 1/13"	White	175x300	7x12
SQ-16BG	Square Tile	1.6mm, 1/16"	Battleship Grey	175x300	7x12
SQ-16R	Square Tile	1.6mm, 1/16"	Red Brick	175x300	7x12
SQ-16W	Square Tile	1.6mm, 1/16"	White	175x300	7x12
SRT-1	Spanish Tiles	1", 1:12	Red Brick	175x600	7x24
SRT-12	Spanish Tiles	1", 1:12	Red Brick	355x600	14x24
SRT-2	Spanish Tiles	1/2", 1:24 G	Red Brick	175x600	7x24
SRT-4	Spanish Tiles	1/4", 1:50 O	Red Brick	175x600	7x24
SRT-8	Spanish Tiles	1/8", 1:100 HO	Red Brick	175x300	7x12
SRT-16	Spanish Tiles	1/16", 1:200 N	White 2mm thk.	75x75	3x3
STEP-03	Steps/louvres	3/8", 1:32	White	175X300	7X12
STEP-04	Steps/louvres	1/4", 1:50 O	White	175X300	7X12
STUCO-1	Coarse Stuco	Various	White, Black	175x300	7x12
STUCO-2	Medium Stuco	Various	White, Black	175x300	7x12
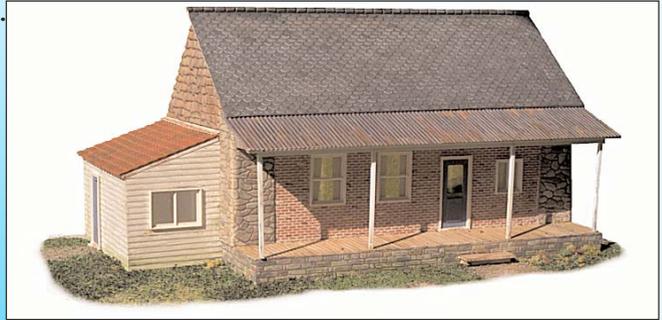
Order Code	Description	Scale or Crit. Dim.	Sheet Colour	Size mm	in
STUCO-22	Medium Stuco	Various	White	355x600	14x24
STUCO-3	Fine Stuco	Various	White	175x300	7x12
STUCO-32	Fine Stuco	Various	White	355x600	14x24
SW-8	Sidewalks	HO, 1:100	Concrete Grey	175x300	7x12
VCP-C	Checker Plate	3/8",1:32	Clear	175x300	7x12
VCP-CG	Checker Plate	3/8",1:32	Concrete Grey	175x300	7x12
VCP-M	Checker Plate	3/8",1:32	Metallic	175x300	7x12
VSR-3BG	Vert. Rib Siding	3/8", 1:32	Battleship Grey	175x300	7x12
VSR-3C	Vert. Rib Siding	3/8", 1:32	Clear	175x300	7x12
VSR-3CG	Vert. Rib Siding	3/8", 1:32	Concrete Grey	175x300	7x12
VSR-3M	Vert. Rib Siding	3/8", 1:32	Metallic	175x300	7x12
VSR-4BG	Vert. Rib Siding	1/4", 1:50	Battleship Grey	175x300	7x12
VSR-4C	Vert. Rib Siding	1/4", 1:50	Clear	175x300	7x12
VSR-4CG	Vert. Rib Siding	1/4", 1:50	Concrete Grey	175x300	7x12
VSR-4M	Vert. Rib Siding	1/4", 1:50	Metallic	175x300	7x12
VSR-8BG	Vert. Rib Siding	1/8, 1:100	Battleship Grey	175x300	7x12
VSR-8C	Vert. Rib Siding	1/8, 1:100	Clear	175x300	7x12
VSR-8CG	Vert. Rib Siding	1/8, 1:100	Concrete Grey	175x300	7x12
VSR-8M	Vert. Rib Siding	1/8, 1:100	Metallic	175x300	7x12
VSR-12BG	Vert. Rib Siding	1", 1:12	Battleship Grey	355x600	14x24
VSR-12M	Vert. Rib Siding	1", 1:12	Metallic	355x600	14x24
WSRS-1	Cedar Shakes	1", 1:12	Concrete Grey	175x600	7x24
WSRS-12	Cedar Shakes	1", 1:12	Concrete Grey	355x600	14x24
WSRS-2	Cedar Shakes	1/2", 1:24 G	Concrete Grey	175x600	7x24
WSRS-4	Cedar Shakes	1/4", 1:50 O	Concrete Grey	175x300	7x12
WSRS-8	Cedar Shakes	1/8, 1:100 HO	Concrete Grey	175x300	7x12

SIDEWALKS   These sidewalks are designed for HO scale, but can be used in 1/8"(1:100) scale. Each sheet includes 2 corners and 3 straight sections, one with a single car curb cut and another with a double width curb cut, the recessed strip is for adding boulevard grass texture (sample shown inset). Vacuum-formed in .020" concrete grey styrene. Sheet size is 175mm x 300mm (7"x12").

Order Code: SW-8 (1) or   SW-8/P (2/pkg)

CRATERS   These craters are perfect for use in space models, war gaming or in dioramas. Use the sheet as is or cut into pieces with sharp scissors or hobby knife. Vacuum-formed in .020" concrete grey styrene. Sheet size is 175mm x 300mm (7" x12").

Painted sample shown inset.

Order Code: CRAT-1 (1) or   CRAT-1/P (2/pkg)

Patterned Finishing Sheets

MBS
MODEL BUILDERS SUPPLY

Miniature

Accents

MASTER FINISH SERIES PRE>FINISHED 1 (1:12) & 1/2 (1:24) SCALE PATTERNED SHEETS   A limited line of ready to use sheets for those who would prefer not to start from scratch. 1:12 sheets are in the large 355mm x 600mm (14"x24") size form, 1:24 sheets are 177mmx600mm (7x24") and all feature multi-step hand applied finishes. Order codes and description of finish are provided below each illustration. **Illustrations 1:12 (MF1) are shown at 80% of actual size. 1/2" are shown actual size.**

MF1-01 1" (1:12)
Golden Dust Fieldstone
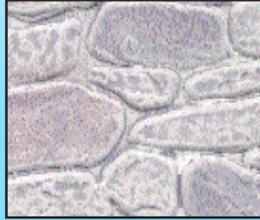
MF1-02 1" (1:12)
Smoky Grey Fieldstone
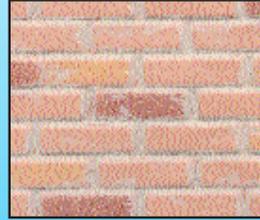
MF1-06 1" (1:12)
Farmhouse Red Rough Brick

MF1-07 1" (1:12)
Georgian Brown Rough Brick
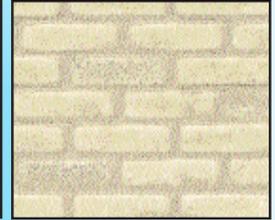
MF1-08 1" (1:12)
Victorian Yellow Brick

MF1-11   1" (1:12) MF1-12
Asphalt Roofing
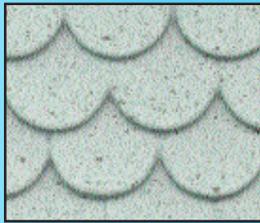
MF1-16 1" (1:12)
Victorian Dream Pan Tiles
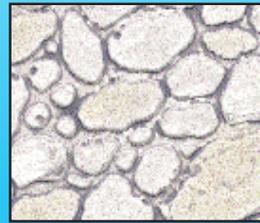
MF1-21 1" (1:12)
Sandstone Pebbles
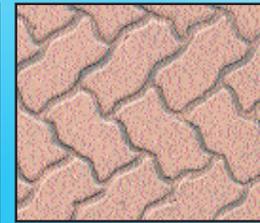
MF1-26 1" (1:12)
Terra Cotta Paving Stones
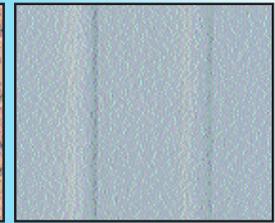
MF1-31 1" (1:12)
Heritage Blue Board & Batten

MF1-32 1" (1:12)
Barnwood Board & Batten

MF1-35 1" (1:12)
Woodshake Cedar roof
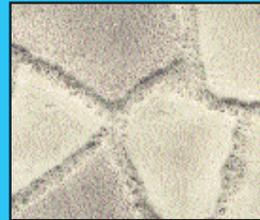
MF1-38 1" (1:12)
Flagstone

MF1-41 1" (1:12)
Dressed Stone
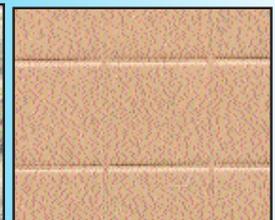
MF1-45 1" (1:12)
Terracotta tile
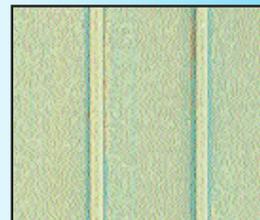
MF1-50 1" (1:12)
Vertical rib roof

MF1-56 1" (1:12)
Large Dressed stone grey

MF1-57 1" (1:12)
Large Dressed stone beige
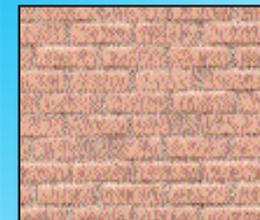
MF2-07 1/2" (1:24)
Georgian Brown Rough Brick

MF2-08 1/2" (1:24)
Victorian Yellow Brick

MF2-11 1/2" (1:24)
Gunflint Asphalt roofing
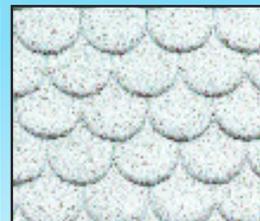
MF2-16 1/2" (1:24)
Victorian Dream pan.tiles
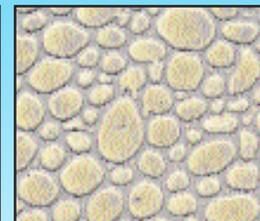
MF2-21 1/2" (1:24)
Sandstone Pebbles

MF2-26 1/2" (1:24)
**Terra cotta paving stones**
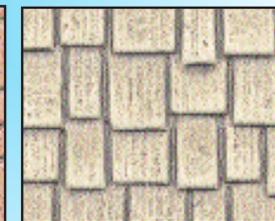
MF2-35 1/2" (1:24)
Woodshake Cedar roof

PLEASE NOTE: Due to the handcrafted nature of these Master Finish sheets, there is inevitably some minor variations sheet-to-sheet and batch-to-batch. However, all attempts are made to insure that each order is filled from the same batch.

PEEL & STICK MARBLE TILES For the ultimate in timeless elegance on your doll-house floors, counters, bath surrounds and fireplaces. Six colours of highly realistic gloss marble finishes on a .8mm(1/32") thick styrene substrate. Each tile is 25mm (1") square with a strong self-adhesive backing. Smaller and unusual shapes of tiles can be made simply: Just one light cut with a hobby knife and you can accurately snap tiles along the cut line. This feature allows intricate patterns to be created incorporating borders and accent stripes as well as more complex patterns as shown in the accompanying illustration. Each package contains 48 tiles to cover an area of 152mm x 203mm (6" x 8").

Miniature Accents

Order Code	Colour
MT-12W	White/grey accents
MT-12G	Green/dark accents
MT-12GY	Grey/brown accents
MT-12R	Dark red/dark accents
MT-12BK	Black/gold accents
MT-12BL	Blue/dark accents
MT-12PW	Plain gloss white
MT-12PB	Plain gloss Black

MT-12W   MT-12G   MT-12GY   MT-12R   MT-12BK   MT-12BL   MT-12PB   MT-12PW
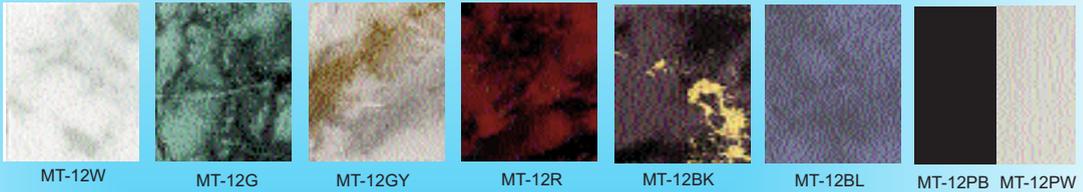
Marble Sheets

These sheets are the same material as our marble tiles, but are not Peel & Stick. Use same cutting method and use STICK'M to fix sheets into position.
Sheet size is 175x300mm (7x12")
1 Sheet per package.

Order Code	Colour
MT-712W	White/grey accents
MT-712BK	Black/gold accents
MT-712R	Red/dark accents
MT-712G	Green/dark accents
MT-712BL	Blue/dark accents

LAMINATE PEEL N STICK FLOORING
Precision-cut 1/4" (6mm) strips of 1mm thick styrene, satin finish grain. Easy to cut into smaller strips, peel off backing and stick down. Choose from Walnut, Maple, Oak, Pine & Mahogany. Sheets are 12" (300mm) long x 6-3/8" (163mm) wide, approx. 23 strips. Each package contains enough material for 76.5 sq.in. (489 sq. cm).

Mahogany	Maple	Oak	Pine	Walnut
Order: WF-12MH	Order: WF-12MP	Order: WF-12OK	Order: WF-12PN	Order: WF-12WL

MGT-☐☐☐☐
— Colour code (See table below)
Size code (See table below)
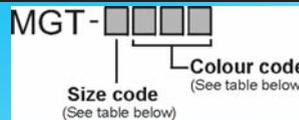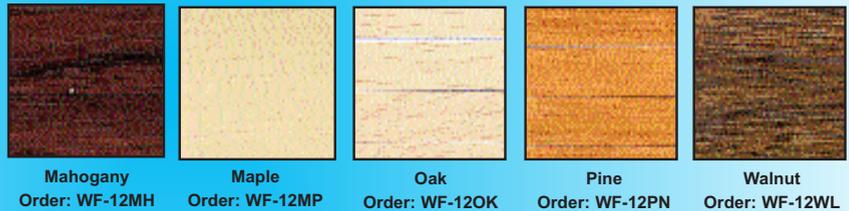
SIZE CODES

Code	Dimensions	Code	Dimensions
MGT-0	85x150mm (3.375"x6")	**MGT-2**	300x600mm (12"x24")
MGT-12	163x300mm (6.5"x12")	**MGT-5**	1mt x1mt (39.375"x39.375")
MGT-12 is packaged with instructions.			

COLOUR CODES

Code	Desc.	Code	Desc.	Code	Desc.	Code	Desc.
SL	Silver	BRZ	Bronze	GR	Light Green	GLD	Gold
DG	Dark Grey	BL	Pale Blue	CP	Copper		

TINTED MIRRORED SHEET   Reflective mirror film laminated to a 1mm black styrene sheet with a protective polyfilm. Available in a good range of colour tints. Uses range from reflective glass on architectural models to mirrors in dollhouses. Material is flexible and can be applied to curved surfaces. Cuts easily like regular styrene with the score and snap technique (score on mirrored side). Apply to surface with double-sided adhesive (STICKM), bonds to styrene or face with double-sided adhesive (STICKM)or spray adhesive , bonds to styrene or acrylic with solvent cement (APSC-1).

LOW PILE CARPETING   Plush paper-backed carpeting is suitable for a variety of scale uses from dollhouses to interior layout work. Suitable also for lining jewelry and craft boxes. Available in seven-colours to complement a variety of decor schemes. Easily cut with scissors or with a sharp knife and straightedge. Apply to surface with STICKM, Weldbond or contact cement. Roll size is 450mm x 600mm (18" x 27").
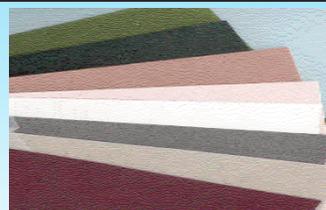
Order Code	Colour
CRPT-BDY	Burgundy
CRPT-WT	White
CRPT-DG	Dark Grey
CRPT-DP	Dusty Pink
GR-11S	Moss Green
CRPT-PK	Baby Pink
CRPT-LG	Light Grey

MBS
MODEL BUILDERS SUPPLY

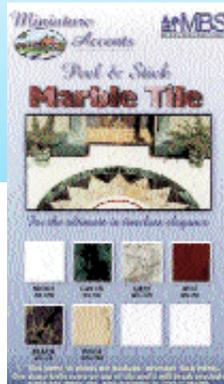DEALER PACK COUNTER TOP MERCHANDISERS > S EE PRICE LIST FOR MORE DETAILS

DP-3B - 7x24"
1:12 & 1:24 scales

Patterned &
plain Sheets
in 7x12
N&Z scales
HO&O scales
1:24 &1:12
Packs include
instructions.

DP>5 > Solvent cement.
Counter top display contains
12 > 4oz bottles.

DP>12A > Marble
tiles peel & stick.
Display board

DP>3C > 14x24 packaged sheets (1s)
1:12 scale. Packs include instructions.

Landscaping Materials

MBS
MODEL BUILDERS SUPPLY

LANDSCAPING MATERIALS FOR A WIDE RANGE OF SCALES & APPLICATIONS   Model Builders Supply produces a varied line of landscaping products to suit the needs of professional modelmakers, model railroad, diorama hobbyists, 1:25 die cast and dollhouse miniature enthusiasts. Our products include ready-made trees, architectural scale tree heads, shrubs, hedges, foliage, ground cover, blossoms & gravels. Due to their quality, uniqueness, broad range and excellent value, MBS landscape products are popular worldwide. The pictures below show the varied uses for our products.
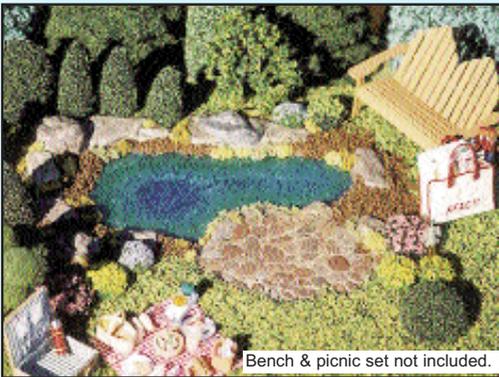
POND KIT WITH LANDSCAPING 1" (1:12)

This pond kit comes complete with pond form, water sheet and landscaping to create the perfect pond setting, a great addition to any dollhouse or just on its own. It can be used for smaller scales as a larger body of water. It comes with everything you see in the small picture below to the left (except the wood base). Comes boxed with instructions. Replace plastic water sheet with Magic Water to add fish, lily pads, grasses etc. Actual size: 7"x12" 7/8" Rock height.
Order Code: KITPOND-12

Bench & picnic set not included.

Also available without land-scaping. Comes with pond form, water sheet and instructions.
bagged in poly bag
Order Code: POND-12

POND KIT 1/2"(1:24) or 1"(1:12) & 1/4"(1:48) or 3/8"(1:32)

This pond kit comes with a .020 plastic vacuum formed pond, water sheet and instructions. To embed fish, lilies etc., use **Magic Water**. Landscaping not included.
Order Code: POND-24
Actual size: 8"x7" including flagstone surround, 1 1/4" rock height.

Order Code: POND-48
Actual size: 4"x3.5" including flagstone surround, 3/4" rock height.

SWIMMING POOLS 1:48 & 1:24

Both pools are made of a .020" plastic vacuum formed sheet.

Order Code: SWIM-48: 1/4" (1:48/1:50) measures 10 1/4"x5 1/2" including the stone surround. Pool is 5 5/8"x3". The deep end is 3/4" deep. Hot tub is 1 3/4" dia and 11/16" deep. Comes with an extra stone sheet for making a pathway or patio and full instructions.

Order Code: SWIM-24: 1/2" (1:24/1:25) measures 21"x12" including the stone surround. Pool is 13"x7 3/4". The depth is 3/4". Hot tub is 3" dia and 1/2" deep. Comes with an extra stone sheet for making a pathway or patio and full instructions.

Very easy to assemble and paint. For crystal clear pool water use **Magic Water**, it will not harm the paint finish of your pool.

SWIM-48 Shown

SWIM-24 this is a prototype pic so hot tub is not shown.

SWIM-48

READY>MADE DECIDUOUS TREES

These are handmade trees with a special foliage mix applied to our 3-dimensional tree armatures (TA's), ranging in height from 50mm (2") to 200mm (8"). Tree foliage is a realistic and attractive multi-tone colour, applied to create a somewhat airy foliage effect. Trees are packaged in protective blister packaging.

Order Code	Description	Height mm	in	Pkg.
TRE-2AM	Autumn	50	2	6
TRE-3AM	Autumn	75	3	6
TRE-4AM	Autumn	100	4	4
TRE-6AM	Autumn	150	6	2
TRE-8AM	Autumn	200	8	2
TRE-2BIR	Birch	50	2	6
TRE-3BIR	Birch	75	3	6
TRE-4BIR	Birch	100	4	4
TRE-6BIR	Birch	150	6	2
TRE-8BIR	Birch	200	8	2
TRE-2BG	Bright Green	50	2	6
TRE-3BG	Bright Green	75	3	6
TRE-4BG	Bright Green	100	4	4
TRE-6BG	Bright Green	150	6	2
TRE-8BG	Bright Green	200	8	2
TRE-2BL	Pink Blossom	50	2	6
TRE-3BL	Pink Blossom	75	3	6
TRE-4BL	Pink Blossom	100	4	4
TRE-6BL	Pink Blossom	150	6	2
TRE-8BL	Pink Blossom	200	8	2
TRE-2FG	Forest Green	50	2	6
TRE-3FG	Forest Green	75	3	6
TRE-4FG	Forest Green	100	4	4
TRE-6FG	Forest Green	150	6	2
TRE-8FG	Forest Green	200	8	2
TRE-2LG	Light Green	50	2	6
TRE-3LG	Light Green	75	3	6
TRE-4LG	Light Green	100	4	4
TRE-6LG	Light Green	150	6	2
TRE-8LG	Light Green	200	8	2
TRE-2RM	Red Maple	50	2	6
TRE-3RM	Red Maple	75	3	6
TRE-4RM	Red Maple	100	4	4
TRE-6RM	Red Maple	150	6	2
TRE-8RM	Red Maple	200	8	2
TRE-2SG	Spring Green	50	2	6
TRE-3SG	Spring Green	75	3	6
TRE-4SG	Spring Green	100	4	4
TRE-6SG	Spring Green	150	6	2
TRE-8SG	Spring Green	200	8	2
TRE-2SM	Sugar Maple	50	2	6
TRE-3SM	Sugar Maple	75	3	6
TRE-4SM	Sugar Maple	100	4	4
TRE-6SM	Sugar Maple	150	6	2
TRE-8SM	Sugar Maple	200	8	2

Autumn (AM)

Birch (BIR)

Bright Green (BG)

NON-FADING * NON-DRYING * WON'T CRUMBLE

Blossom tree (BL)
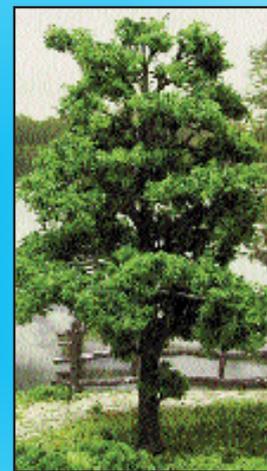
Forest Green (FG)

Light Green (LG)

Red Maple (RM)

Spring Green (SG)

Sugar Maple (SM)

Landscaping Materials

MBS
MODEL BUILDERS SUPPLY

TREE ARMATURES   Our three dimensional injection molded styrene tree frames are molded in a realistic brownish grey colour, these are the same armatures used to create some of our readymade trees. Many different species (for example: elm, scots pine) can be created by heating, trimming and twisting branches also painting the bark in different tones and using texture paints. These tree frames range in height from 50mm (2") to 200mm (7.8") and are well suited to use in scales up to 1" (1:12). Foliage is applied by dabbing the frame or brushing on MBS GLOOP and then applying MBS foliage in the desired colour tones (as shown below). Blossoms may also be applied to create a flowering tree.

Order Code	Height mm	in	Pkg.
TA-1	32mm	1 1/4	5
TA-2	50mm	2	5
TA-3	75mm	3	5
TA-4	100mm	4	4
TA-6	150mm	6	2
TA-8	200mm	8	2

BULK PACKAGES

Order Code	Height mm	in	Pkg.
TA-2B	50mm	2	20
TA-3B	75mm	3	20
TA-4B	100mm	4	12
TA-6B	150mm	6	12
TA-8B	200mm	8	12
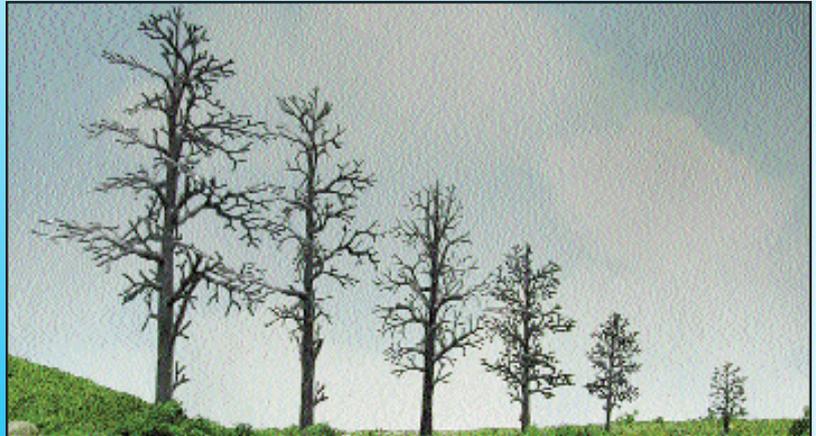
Heat if neccessary

Twist

Apply glue

Apply foliage

Plant

TREE KITS Create the look *you* want with MBS Tree kits. They are made up of MBS tree armatures, enough MBS foliage (LFS or LFM) to coat the trees included, and instructions on making trees. Available in several colour choices, please state colour code when ordering. Use MBS Mini Bond.

Colour	Code
Autumn	AM
Red Maple	AR
Bright Green	BG
EverGreen	EG
Light Green	LG

Order Code	Height mm	in	Pkg.
TREEKIT-2( )	50mm	2	9
TREEKIT-3( )	75mm	3	8
TREEKIT-4( )	100mm	4	7
TREEKIT-6( )	150mm	6	3
TREEKIT-8( )	200mm	8	3
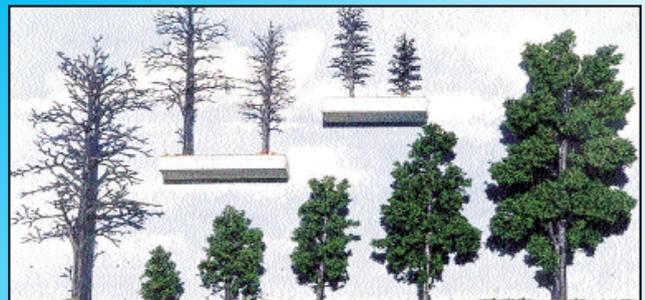
TREE>MAKING WIRE   An alternative approach to making tree armatures. This stranded wire allows creation of larger trees.

HOW TO : Cut wire 3/8" longer than height required. Solder or glue (super glue) 1" of the end. When set, untwist loose wire, bend to desired shape & paint trunk. When dry, apply foliage with MBS GLOOP.
LARGE TREES : Trees of substantial size can be created by bonding together 2 lengths of **TAW-2** wire and following the same basic steps as outlined above. With some creativity, a visible root base can be created by untwisting and spreading the bottom of the trunk. Material such as MILLIPUTepoxy putty (MEP>1)can also be used to apply to the wire armature to create a more realistic trunk effect prior to painting and applying foliage. (As shown on the right).

OrderCode: TAW-1 915mm/3' - 18 gauge 7 strand wire
Order Code: TAW-2 1897mm/ 6' - 12 gauge 7 strand wire
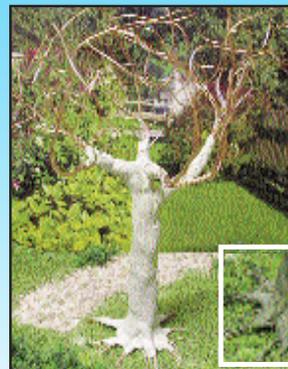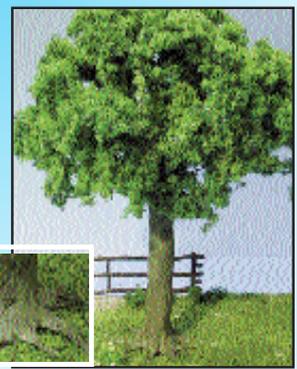
Tree with Milliput   Root base Painted trunk with foliage

MBS
MODEL BUILDERS SUPPLY

SCOTS OR JACK PINE Scots/Jack pine are a rugged looking variation based upon our three-dimensional tree armatures. Lightly foliated, these ready-made trees also demonstrate the versatility of our tree armatures. For use in many scales. Blister packed

Order Code	Height mm	in	Pkg.
TSJP-4	100mm	4	4
TSJP-6	150mm	6	2
TSJP-8	200mm	8	2

FOREST TREES   Same as above, but with more top foliage than bottom. Green foliage. Blister packed 2 per pack.

Order Code	trunk colour	Height mm	in.	Pkg.
TREF-8FG	brown	200mm	8"	2
TREF-8BIR	birch/white	200mm	8"	2	Not shown
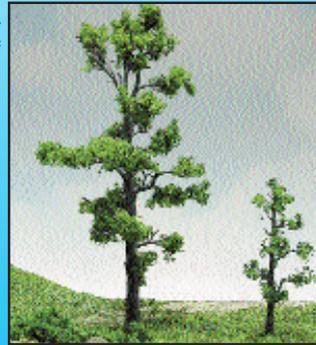
SCOTS PINE TREES
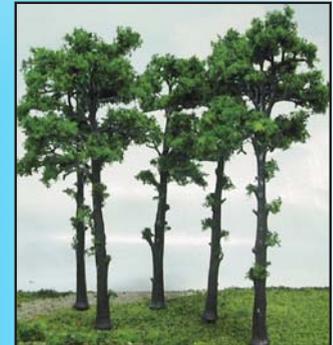
FOREST TREES

LEAFY TREES These 4" trees have a self standing base so they're great for war gamers. The leafy armature is coated with our special coating.

Order code	colour	mm	in	Pkg
TREL-4LG	Lt.green	108	4	6
TREL-4DG	Drk.green	108	4	6

SPRUCE TREES
Very realistic spruce trees in 2 colour styles: Blue spruce and Norway spruce. Plastic branches coated with our special foliage mixture. Thease work great for covering large areas. Can be used for a varity of scales.

Order Code	Description	Height mm	in	Pkg.
TSP-3B	Blue Spruce	75mm	3"	6
TSP-3G	Norway Spruce	75mm	3"	6

TREL-4DG   TREL-4LG
LEAFY TREES

TSP-3G   TSP-3B
SPRUCE TREES

DOUGLAS FIR TREES   These trees can be used for several scales. Plastic frames with our NON FADING foliage mixture. TSDF-10 have wood trunks, TSDF-15 have wire trunks and can easily be cut to different heights.

Order Code	Height mm	in	Pkg.	Color
TSDF-10	98	3 3/4"	6	Dark Green
TSDF-10BS	98	3 3/4"	6	Blue Spruce Not shown
TSDF-15	140	5 1/2"	4	Dark Green
TSDF-15BS	140	5 1/2"	4	Blue Spruce Not shown

READY>MADE CEDAR TREES   Excellent quality very realistic cedar trees. These are plastic trees with our dark green foliage mixture. Great for mass planting.

Order Code	Height mm	in	Pkg.
TCD-3	95mm	3 3/4"	6

All available in bulk for mass planting, please inquire.

TSDF-10   TSDF-15
DOUGLAS FIR TREES

TCD-3
CEDAR TREES

Landscaping Materials

MBS MODEL BUILDERS SUPPLY

GRASS SHEET/ASTRO TURF   Low-pile grass coloured material with a paper backing. This is the same material as our carpeting listed in the "finishing materials" section. Easily cut with scissors or knife and glued into position with Creative Tacky, Weldbond or STICK'M. Available in two sizes and packaged individually in rolls.

Available in longer lengths at 27" wide by special order.

LANDSCAPING FOAM SHEET   A foam matting material made from the same material as our tree heads and much of our ground cover. This material can be applied to a smoothly contoured surface and is NON-FADING, NON-DRYING and remains flexible. Forest green colour. Apply to surface with GLOOP or MiniBond. Cut your own hedges. **Sold individually.**
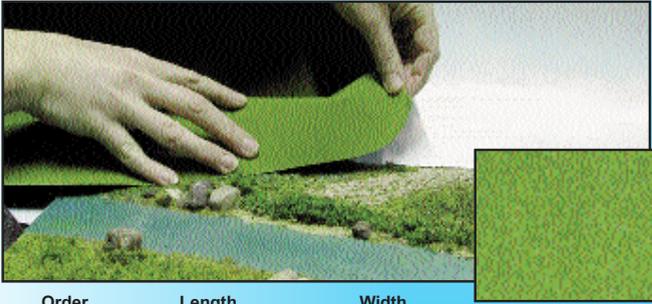
Order Code	Length mm	Length in	Width mm	Width in
GR-11S	460	18	685	27
GR-12S	920	36	685	27

Order Code	Thickness mm	Thickness in	Width mm	Width in	Length mm	Length in
LSF-14	6	1/4	300	12	600	24
LSF-38	9	3/8	300	12	600	24
LSF-12	12	1/2	300	12	600	24

This model of Pickle lake above was made to demonstrate the devestation of a forest fire. Over 1800 'D' type trees were used and about 100 burnt toothpicks.

A   B   C   D

FOAM TREES & TREE HEADS   These trees are suited for smaller scale topographical and architectural models. Two different colours of tree head are provided in each package for types A, B, and C (deciduous type trees). The type D coniferous style comes in dark green only. For trunks, push a piece of microrod (into the foam tree head after applying glue to the trunk. For use as shrubbery, glue directly into place. The material (under normal indoor lighting conditions) **will never dry out or become brittle.** This is particularly important for uses where some handling is anticipated: These tree heads will just bounce back. Height information for each tree size is provided below, except for type C for which width is given. **Also available in bulk packs.**

Type A (Deciduous)

Order Code	Dia. mm	in	Pkg
T-5A	13	1/2	10
T-7A	19	3/4	10
T-1A	25	1	10
T-15A	38	1 1/2	10

Type B (Deciduous)

Order Code	Height mm	in	Pkg
T-5B	13	1/2	10
T-7B	19	3/4	10
T-1B	25	1	10
T-15B	38	1 1/2	10
T-2B	50	2	5

Type C (Deciduous)

Order Code	Width mm	in	Pkg
T-5C	13	1/2	10
T-7C	19	3/4	10
T-1C	25	1	10
T-15C	38	1 1/2	10
T-2C	50	2	5

Type D (Coniferous)

| Order Code	Height mm	in	Pkg
T-5D	13	1/2	10
T-7D	19	3/4	10
T-1D	25	1	10
T-15D	38	1 1/2	10
T-2D	50	2	5

Miniature

Accents

SQUEEZE ME TREES, SHRUBS, HEDGES & TOPIARIES   This collection of landscape products was developed specifically for the 1" (1:12) & 1/2" (1:24) scale miniatures market. The SQUEEZE ME line has become a standard in this market. Products in this line feature soft and permanently pliable foam tree shapes coated with our special foliage mix. The result is a realistic multi-tone coniferous green appearance which gives all of these items a lush texture. Their manicured appearance make them perfect for foundation plantings, gardens, walkways, and any other uses where well-groomed greenery is needed.

SQUEEZE ME TREES   Ranging from 38mm (1 1/2") to 150mm (9"), these majestic trees represent well-cared for trees and create a

Order Code	Description	Height letter	mm	in	Pkg.
T-1215D	Pine	D	38.9	1 1/2-2"	10
T-122D	Pine	D	62	2 1/2	4
T-124D	Pine	D	115	4 1/2	2
T-127D	Pine	D	175	7	2
T-129D	Pine	D	230	9	2
T-124G	Spiral	G	115	4 1/2	2
T-127G	Spiral	G	175	7	2
T-123H	Spruce	H	89	3 1/2	2

ALL SQUEEZE ME TREES ARE NON-FADING * NON-DRYING WON'T CRUMBLE
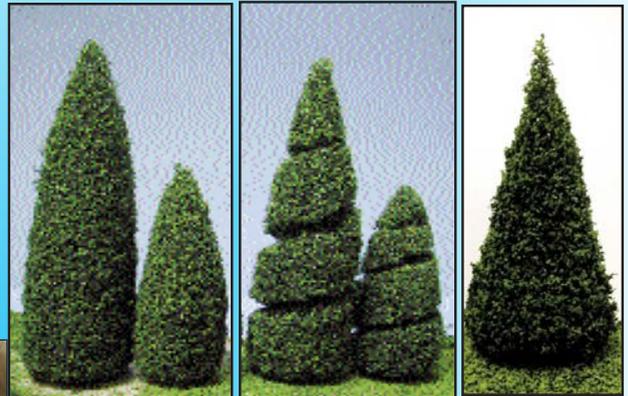
'D'

'G'

'H'

SQUEEZE ME TREES   Ranging from 38mm (1 1/2") to 150mm (9"), these majestic trees represent well-cared for trees and create a

Order Code	Description	Height letter	mm	in	Pkg.
T-1215DB	Pine	D	38.9	1 1/2-2"	10
T-122DB	Pine	D	62	2 1/2	4
T-124DB	Pine	D	115	4 1/2	2
T-122BB	Egg-shaped	B	62	2 1/2"	2
T-123HS	Spruce	H	89	3 1/2	2
T-126S	Juniper	SS	150	6	1

'D'   'B'   'H'   'SS'

SQUEEZE ME SHRUBS   An original collection of styled shrubs for mass plantings, walkways, elegant gardens and the like. Blossoms can be added to create flowering shrubs, particularly with the mound

Order Code	Description	Letter	Dim.	mm	in	Pkg.
T-1215A	Round(inset)	A	dia.	38	1 1/2	2
T-121C	Mound	C	dia.	25	1"	3
T-1215C	Mound	C	dia.	38	1 1/2"	2
T-122C	Mound	C	dia.	50	2	2
T-1215B	Egg-shaped	B	Height	38	1 1/2"	2
T-122B	Egg-shaped	B	Height	62	2 1/2"	2
T-122E	Short tapered square	E	Height	38	1 1/2"	2
T-123E	Short tapered square	E	Height	50	2	1
T-124E	Tall tapered square	E	Height	115	4 1/2"	1
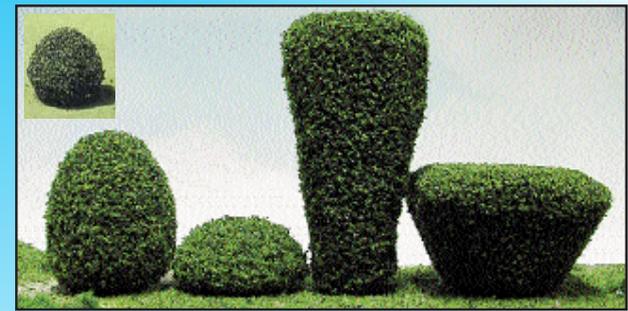
'B'   'C'   'E-tall'   'E-short'

SQUEEZE ME TREES & SHRUBS Ranging from 38mm (1 1/2") to 150mm (9"). Spring Green

Order Code	Description	Letter	Dim.	mm	in	Pkg.
T-1215AS	Round	A	dia.	38	1 1/2	2
T-1215BS	Egg-shaped	B	Height	38	1 1/2"	2
T-122BS	Egg-shaped	B	Height	62	2 1/2"	2
T-1215CS	Mound	C	dia.	38	1 1/2"	2
T-122CS	Mound	C	dia.	50	2"	2
T-123F	Tall tapered Cedar	F	Height	75	3"	2
T-124F	Tall tapered Cedar	F	Height	100	4"	2
T-127F	Tall tapered square	F	Height	175	7"	2
T-129F	Tall tapered Cedar	F	Height	230	9"	2
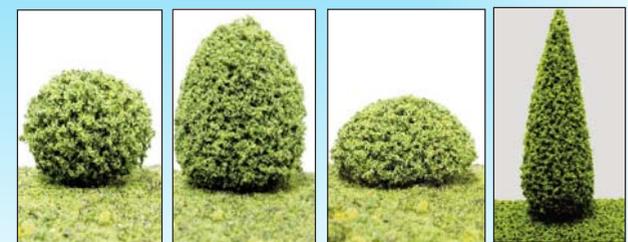
'A'   'B'   'C'   'F'

SPRUCE TREES   Large spruce trees made of "SQUEEZE ME" material are multi-tiered, light weight and squeezable. All trees are clear blister packed for protection. (**1 tree per pk**). Norway Spruce trees are wider than the Blue Spruce trees. These make fabulous Christmas trees.

ALL SQUEEZE ME TREES ARE NON-FADING * NON-DRYING WON'T CRUMBLE
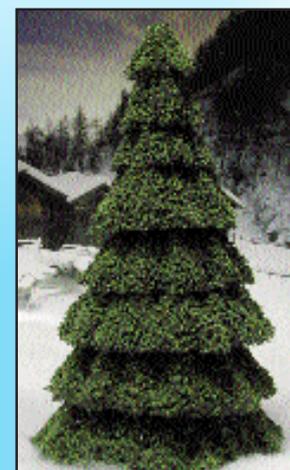
Blue Spruce (blue spruce colour)

Order Code	Height mm	in
T-128H	200	8"
T-1212H	300	12"
T-1215H	375	15"

Norway Spruce (dark green colour)

order Code	Height mm	in
T-127J	175	7"
T-129J	230	9"

Blue Spruce

Norway Spruce

SQUEEZE ME HEDGES   Available in many sizes, these hedges have the same lush and squeezable look as the other SQUEEZE ME products with our special coating. Can be cut to length with scissors. *Core does not have coating. **Sold individually.**

Not all sizes are shown, but are all of the same material and quality.

Dark Green

Order Code	Height mm	in	Width mm	in	Length mm	in
HEDG-1	76	3	38	1 1/2	305	12
HEDG-2	38	1 1/2	25	1	305	12
HEDG-48	32	1 1/4	12	1/2	305	12
HEDG-3	25	1	15	5/8	305	12
HEDG-32	25	1	9.5	3/8	305	12
HEDG-24	16	5/8	9.5	3/8	305	12
HEDG-16	9.5	3/8	6	1/4	305	12
HEDG-8	6	1/4	5	3/16	305	12

Bendable

24" Long - Dark Green

Order Code	Height mm	in	Width mm	in	Length mm	in
HEDG-1L	76	3	38	1 1/2	610	24
HEDG-2L	38	1 1/2	25	1	610	24
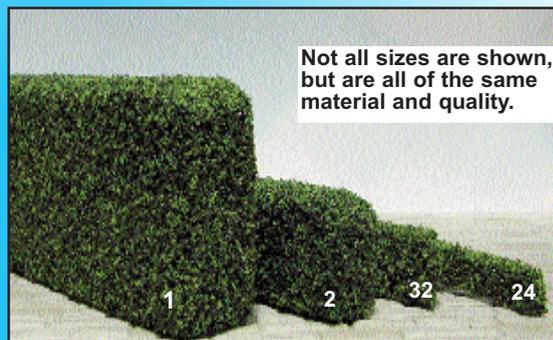
24" Long hedges are great for cornering slot car tracks or where longer hedges are needed. Insert wire through the centre for positioning with out glueing down.

Spring Green

Order Code	Height mm	in	Width mm	in	Length mm	in
HEDG-1S	76	3	38	1 1/2	305	12
HEDG-2S	38	1 1/2	25	1	305	12
HEDG-48S	32	1 1/4	12	1/2	305	12
HEDG-3S	25	1	15	5/8	305	12
HEDG-32S	25	1	9.5	3/8	305	12
HEDG-24S	16	5/8	9.5	3/8	305	12

HEDGES   Our regular hedges are made of **non-drying non-fading** foam and are a solid green colour throughout. Easily cut to size with scissors. Glue directly into place with WELDBOND or silicone. Choose your own MBS coating to cover these hedges.

Order Code	Height mm	in	Width mm	in	Length mmin	Pkg.
HED-1	76	3	38	1 1/2	305	12	1
HED-2	38	1 1/2	25	1	305	12	1
HED-32	25	1	9.5	3/8	305	12	1
HED-24	16	5/8	9.5	3/8	305	12	1
HED-16	9.5	3/8	6	1/4	305	12	2
HED-8	6	1/4	5	3/16	305	12	2
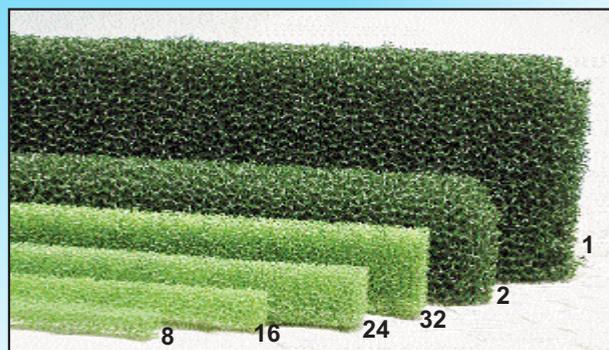
DOLLHOUSE GARDENS Beautifully handmade gardens with realistic "SQUEEZE ME" bushes, trees and gorgeous blossoms, all in a solid rock fieldstone planter. They are ready to place in any dollhouse setting or use as a paper weight for your favourite gardener. Makes a welcomed addition to any dollhouse. Packaged in a window display box. **Sold individually.**
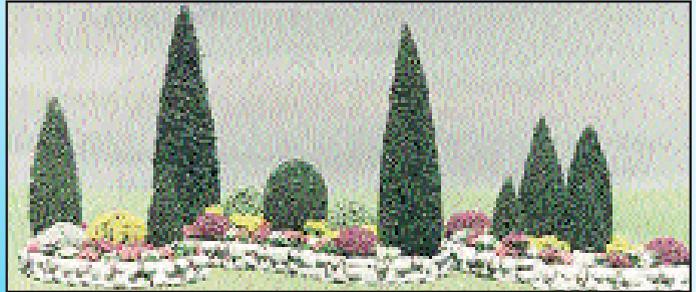
Order Code	Description	Length mm	in	Height mm	in
DGF-2	Long garden w/ short trees	256	10.25"	115	4.5"
DGF-3	Short garden	156	6.25	115	4.5"
DGF-4	Corner gardens (2pc)	200	4"ea.	115	4.5"

SQUEEZE ME TOPIARIES Topiaries **A-D** (1:12) are planted in terra cotta clay pots and add a touch of sophistication to your garden or patio. These topiaries look very nice on each side of a doorway.

Topiaries 24A&D (1:24) are in white plastic pots. **Sold individually.**

Order Code	Description	Height mm	in
TOP-12A	Large round topiary 1:12	140	5 1/2
TOP-12B	Small round topiary 1:12	76	3
TOP-12C	Large half-round topiary 1:12	127	5
TOP-12D	Large Cedar-shape topiary 1:12	140	5 1/2
TOP-24A	Round topiary 1:24	35	1 3/8"
TOP-24D	Cedar shape topiary 1:24	35	1 3/8"

A   1:24   D

'A'   'B'   'C'   'D'   'K'
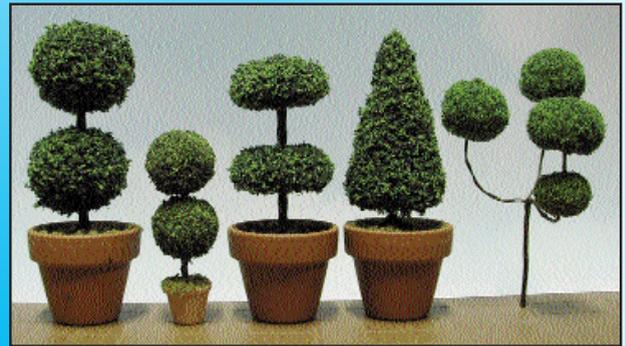
TOPIARY TREE (K) This premade tree is made with our "SQUEEZE ME" material and is on a repositionable wire trunk. Includes three 1" balls and one 3/4" ball. 4"total height. **1 tree per blister pk.**
Order Code› T›124K

SQUEEZE ME TOPIARIES Topiaries **E-H**, are planted in a decorative plaster pot and add elegance to any garden setting.

Sold individually.

Order Code	Description	Height mm	in
TOP-12E	Short tree, square pot	100	4
TOP-12F	Tall tree, square pot	150	6
TOP-12G	Short tree, round pot	100	4
TOP-12H	Tall tree, round port	150	6

'E'   'F'   'G'   'H'
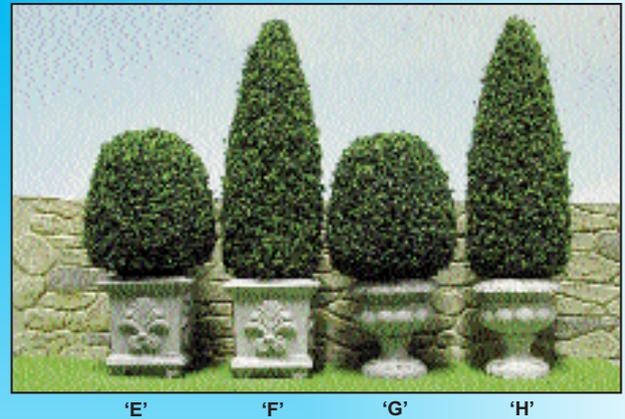
BLOSSOMING BUSHES Same material as "Squeeze Me" bushes, but with blossoms already in bloom. Available in 6 colours: fuchsia pink(**FP**), violet(**V**), pale pink(**PK**), yellow(**Y**), deep purple(**DP**), white(**W**), and blue(**B**): indicate colour code in brackets. One colour per package.

Order Code	Size mm	in	Description	Pkg.
T-2C( )	50	2"	mound	2
T-15C( )	38	1 1/2"	mound	2
T-1C( )	25	1"	mound	3
T-15B( )	38	1 1/2"	egg shaped	2

B type   C type
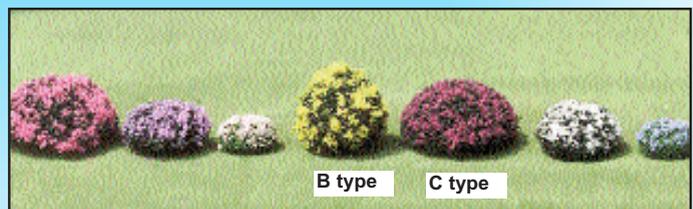
GARDEN DELIGHTS   Vibrant coloured flowers make these bushes very realistic and would enhance any garden setting. Approximate size ea: 23mm (7/8")H x 35mm (1 3/8")w. 6 separate bushes (GD) per blister pack (2 of each color listed).

red

yellow

burgundy

GD 23x35mm each

GDB 150x52mm (shown here with all 5 colours for display only)

Order Code	Colours
GD-1	pink,blue,white 2 of each
GD-2	yellow, violet, white 2 of each
GD-3	red, marigold, burgundy 2 of each

GARDEN DELIGHT BEDS, 6- GD's (2 of each color listed)are planted with greenery on an earthy covered bed. 150L x 52W x 52mm H   (6 1/4"x2"x2")

Order Code	Colours
GDB-1	pink,blue,white
GDB-2	yellow, violet, white

GD-1 (shown) blister packed in 6pk

GDB >2 (shown) blister & carded
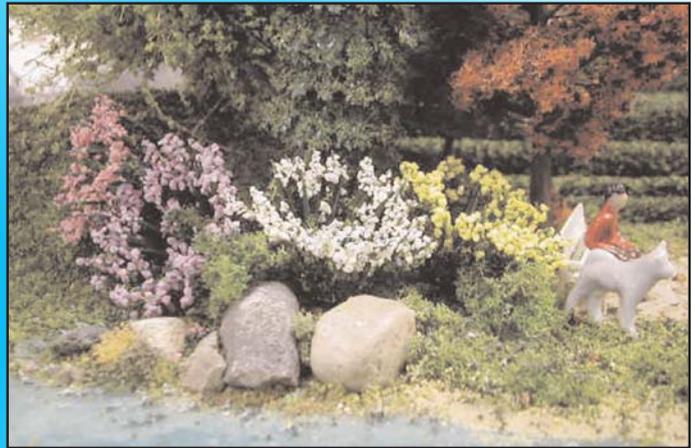
GDs shown here in an 'O' gauge (1:48) setting as large flowering shrubs. Pink, violet, white & yellow.

GARDEN DELIGHT BEDS
Same vibrant coloured flowers as above, but half the size. Suitable for 1:12 & 1:24. Approximate size: 80mm (3 1/4")L x 50mm (1 1/4")D. X 20mm (3/4") H. 1 per blister pk.

Order Code	Colours
GDB-241	Pink, White Blue
GDB-242	Yellow, Violet, White
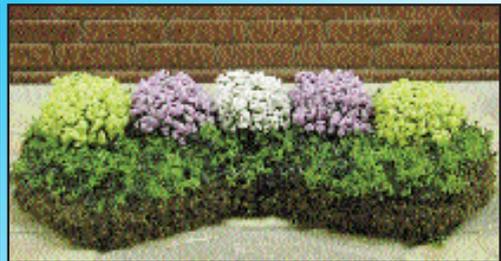
GARDEN DELIGHT BED

Yellow bedding plants planted with greenery on an earthy garden bed.
Size: 4 3/8"w x 3"d x 1 7/8" ht.
Comes in a clamshell package.

Order Code: GDB-3

CLIMBING FLOWERING VINE 10" tall flocked wire vine, easy to bend if necessary. Available with blossoms in yellow(Y), red(R), fuchsia(FP) and plain green (G). Please specify colour when ordering.
Order Code: VINE- (colour)

FLOWERING CLIMBING VINE A flexible injection molded plastic vine flocked with greenery and coloured blossoms. Colours available are: yellow (Y), Violet (V) and Fushia Pink (FP). Approximate height is 100mm (4"). One piece.
Order Code: CLPT-(colour)

G   R   FP   Y

VINE- ( )

CLPT-( )
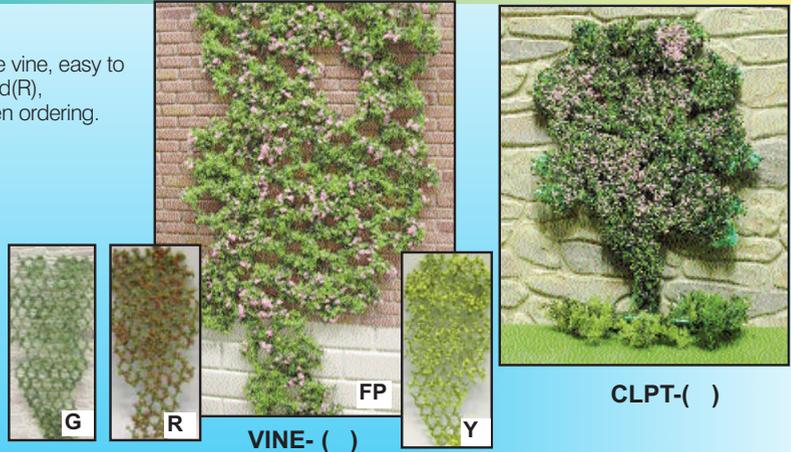
BLOSSOM BUSHES
Wire armatures with greenery and blossoms can be bent to your desired shape. 4" tall Blister packed

Order Code	Colours
BUSH-PK	Fuchsia pink
BUSH-R	Red Rose
BUSH-WT	White
BUSH-YL	Yellow
BUSH-G	Green (not shown)

Fuchsia Pink   **White**   **Yellow**   **Red rose**
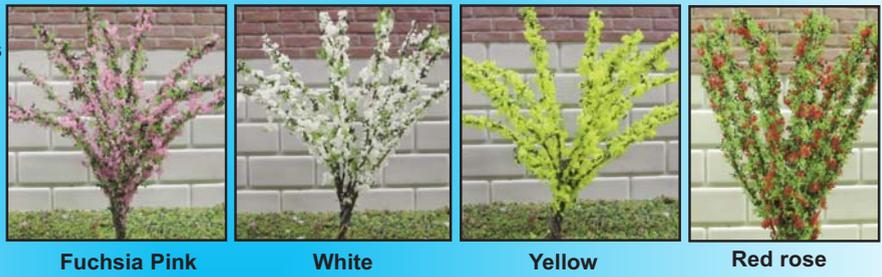
SQUEEZE ME WREATH
2" dia. wreath with red bow and red blossoms.
1 per pack
Order Code: T-12WR

T-12WR

VINES & BLOSSOMS
Green flocked vines (approx 8" long) are bendable and come with a small pack of blossoms to create a flowering vine.
5 vines & 1 pack blossoms
Order Code: VNB-( )
Red-R Yellow-Y Fuchsia-FP

BLOSSOMS Loose blossoms in a bright array of colours creating gardens and for adding flowers to trees and shrubs. Note that our foam tree heads are perfect for rolling in white glue and then rolling in blossoms to create large flowering plants. Blossoms can be sifted to separate larger blossoms from finer ones. For pre-made bushes see our blossom covered bushes. **Packaged in 8 gram bags.**

BLOS-B8	BLOS-DP8	BLOS-M8	BLOS-FP8	BLOS-PK8	BLOS-R8	BLOS-V8	BLOS-W8	BLOS-Y8
Periwinkle Blue	Deep Purple	Marigold	Fuchsia	Pink	Red	Violet	White	Yellow
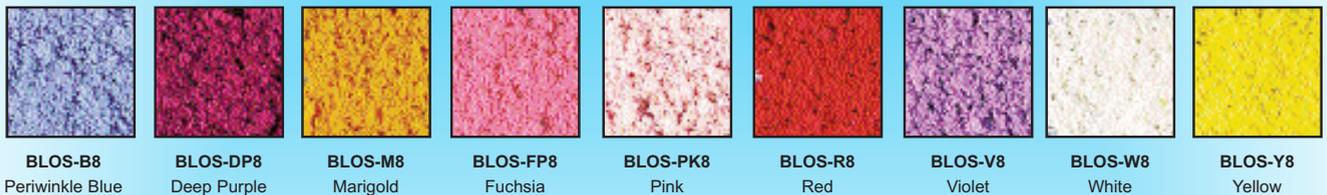
BLOSSOM MIX PACKS
1 pack ea. of 3 colors & all 10 colors.
Bag size 45mm (1 3/4") square

Order Code	Colours
BLOS-MX1	Blue, White, Fuchsia Pink
BLOS-MX2	Fuchsia Pink, Yellow, Violet
BLOS-MX3	Burgundy, Marigold, Red
BLOS-MXA	All 10 colors in a clam pack

BLOS-MX1   BLOS-MX2   BLOS-MX3

PALM TREES These 2 styles of palm trees have multi-fronds of dark green plastic with dried husks underneath on a bendable wire truck. The height of each tree is approximately 125mm (5") and the diameter of the frond head is 45mm (1 3/4"). These trees represent a good value in palm trees and a very good level of realism. (2 trees per pk).
Order Code: PALM-125

Order Code: PALM-130

PALM TREES These palms have a flexible brown trunk and green plastic fronds with dried husks. 8.5" tall and 3 3/4" dia frond head (2 trees per pk).

Order Code: PALM-200
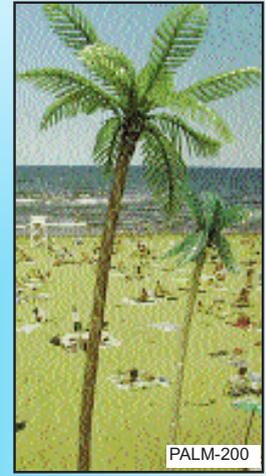
PALM-125 PALM-130 PALM-200

PALM TREE HEADS These palm tree heads are injection molded in green styrene with a hole on the underside to insert .040" micro-rod or wire (not included) to make the tree trunk. Fronds can be bent to desired shape, heating them will allow for easier bending. Available in 13mm (1/2") and in 19mm (3/4") sizes.

T-( )P

T-( )Ps do not come with trunks.

Order Code	Height mm	in	Pkg.	Order Code	Height mm	in	Pkg.
T-5P	13mm	1/2	10	T-7P	19mm	3/4	10

PINE OR SPRUCE TREES Nicely detailed green injection-molded styrene pine or spruce trees for smaller scale applications. The smaller trees (PINE>2) are all the same size at 8mm (5/16"). The larger trees (PINE>5) vary in size from 15mm to 20mm (9/16" to 3/4").

Order Code	Height mm	in	Pkg.	Order Code	Height mm	in	Pkg.
PINE-2	8	5/16	22	PINE-5	15 - 20	9/16 - 3/4	10
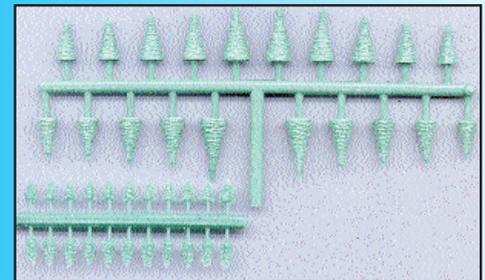
TREES These trees are designed predominantly for mass planting on architetural models that require little attention brought to landscaping. They are injection molded styrene. They can be left white, painted with acrylic paints or even add fine grass to add a little realism. Trees easily come off the sprues and can be planted into pre-drilled holes.

Order Code	Style	Dia / Height mm	in	Pkg.
TR-4A	round head	4 dia	5/32	19
TR-6A	round head	6 dia	1/4	19
TR-7A	round head	7 dia	9/32	13
TR-9A	round head	9 dia	3/8	7
TR-11A	round head	11dia	7/16	5
TR-10D	pine head	10 & 15 ht.	3/4 & 15/16	12
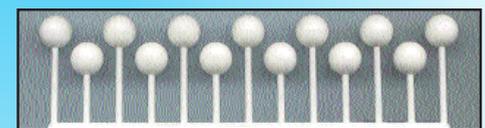
LANDSCAPE FOLIAGE PACKS - Our most popular textures and colors combined into multi packs. LF codes are foliage, BLOS are blossoms.

Order Code	Landscaping product Included	Size
LFP-F1	LFM-3GD, LFS-3SG, LFT-4DE, LFS-3LE, LFT-3FG, LFM-3GL, LFM-4AM	15gm each
LFP-L1	LFT-2FG, LFM-2AM, LFS-2FG, LFS-2LG, LFS-2SG, LFM-1LM, LFM-1GM	15gm each
LFP-M1	LFM-4GR grass, LFS-1EG foliage, LFM-1LM foliage, LFT-3DE earth	15gm each
	BLOSSOMS -Fucshia, yellow, white, red, violet, deep purple	45mm sq. bag ea.
	GRV-C coarse gravel	50gm

See the following pages for color description of above codes. Packed in clam shells with useage instructions.

LANDSCAPE FOAM: FOLIAGE, GROUND COVER & GRASSES MBS produces a complete line of foliage and ground cover. Utilizing two kinds of foam, we offer a wide array of colour choices and grades from large clump foliage to fine grass. Our range of landscape foam includes mixed colour selections (coded as LFM), solid colour selections (coded as LFS), and two-tone selections (coded as LFT). Package quantity is by weight and varies depending on grade. Order codes are indicated below each illustration. Foliage is packaged in attractive bags with full use instructions on the back. **Items below are packaged in grams.**

LFM-1AM Autumn Mix
Coarse bushes/foliage 20g

LFM-1GM General Mix
Coarse bushes/foliage 20g

LFM-1LM Light Green Mix
Coarse bushes/foliage 20g

LFM-1SM Sugar Maple Mix
Coarse bushes/foliage 20g

LFM-2AM Autumn Mix
Medium foliage 25g

LFM-2LM Light Green Mix
Medium foliage 25g

LFM-3GB Evergreen/Sp. Blue
Coarse grass / Ground cover 25g

LFM-3GD Evergreen/Dk. Green
Coarse grass / Ground cover 35g

LFM-3GL Evergreen/Lt. Green
Coarse grass / Ground cover 25g

LFM-3GM General Mix
Coarse grass / Ground cover 25g
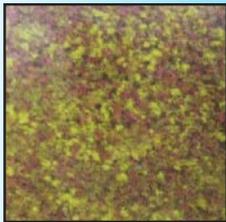
LFM-4AM Autumn Mix
Fine foliage 30g

LFM-4GB Evergreen/Sp. Blue
Fine grass 30g

LFM-4GD Evergreen/Dk. Green
Fine grass 40g

LFM-4GL Evergreen/Lt. Green
Fine grass 30g

LFM-4GR Grass Green
Fine grass 30g

LFS-1BG Bright Green
Medium bushes / foliage clusters 20g
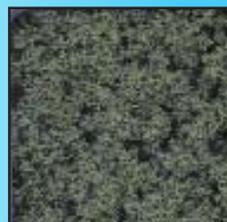
LFS-1EG Evergreen
Medium bushes / foliage clusters 20g

LFS-1FG Forest Green
Medium bushes / foliage clusters 20g
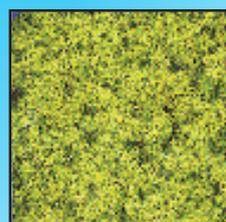
LFS-1LG Light Green
Medium bushes / foliage clusters 20g
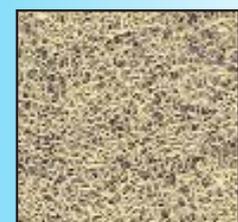
LFS-1PG Pale Green
Medium bushes / foliage clusters 20g
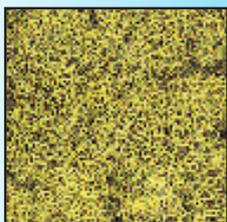
LFS-1SG Spring green
Medium bushes / foliage clusters 20g
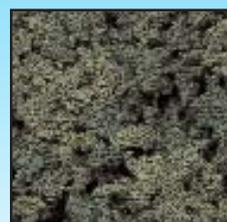
LFS-2EG Evergreen
Medium foliage 20g

LFS-2FG Forest Green
Medium foliage 20g
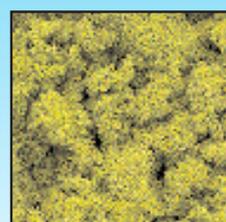
LFS-2LG Light Green
Medium foliage 20g

LFS-2PG Pale Green
Medium foliage 20g

Landscaping Materials

MBS
MODEL BUILDERS SUPPLY

APPLICATION: In general, when applying these materials to terrain, use diluted GLOOP or Weldbond. For the coarser bushes and foliage, GLOOP is a good choice. When applying to trees, a tacky glue should be used such as diluted (with paint) GLOOP or contact cement. Fine grasses can be sprinkled directly onto wet paint provided the surface is sealed first. To make flowering plants, dip coarse bushes (such as LFM›1GM, LFS›1EGor LFS›1LG) into white glue and then dab in blossoms and let dry.

LFS-2SG Spring Green
Medium foliage 20g
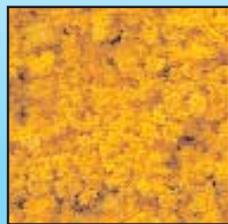
LFS-3AG Autumn Gold
Fine foliage / Ground cover 30g

LFS-3AR Autumn Red
Fine foliage / Ground cover 30g

LFS-3BG Bright Green
Fine foliage / Ground cover 30g

LFS-3CG Cedar Green
Fine foliage / Ground cover 30g
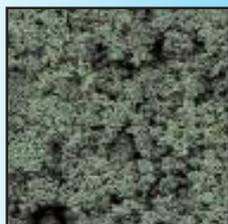
LFS-3EG Evergreen
Fine foliage / Ground cover 30g

LFS-3FG Forest Green
Fine foliage / Ground cover 30g

LFS-3LE Light Earth
Fine foliage / Ground cover 30g
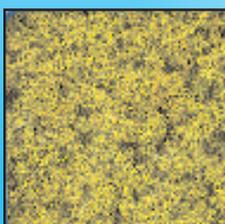
LFS-3LG Light Green
Fine foliage / Ground cover 30g

LFS-3PG Pale Green
Fine foliage / Ground cover 30g

LFS-3SG Spring Green
Fine foliage / Ground cover 30g

LFT-2CG Cedar Green
Medium foliage 30g

LFT-2FG Forest Green
Medium foliage 30g

LFT-2SG Spring Green
Medium foliage 30g
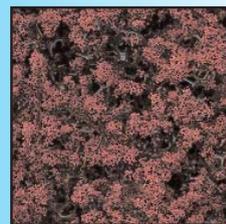
LFT-2SM Sugar Maple
Medium foliage 30g

LFT-3BG Bright Green
Fine ground cover / foliage 35g

LFT-3CG Cedar Green
Fine ground cover / foliage 35g

LFT-3DE Dark Earth
Fine ground cover / foliage 35g
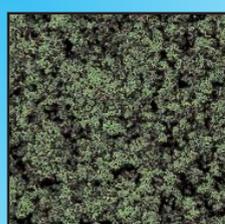
LFT-3EG Evergreen
Fine ground cover / foliage 35g
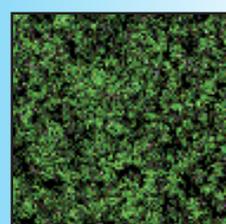
LFT-3EM Emerald Green
Fine ground cover / foliage 35g

LFT-3FG Forest Green
Fine ground cover / foliage 35g
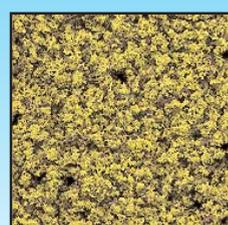
LFT-3LG Light Green
Fine ground cover / foliage 35g
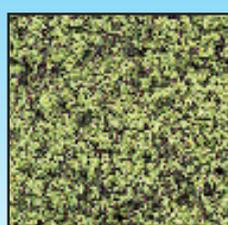
LFT-3PG Pale Green
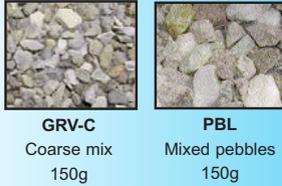Fine ground cover / foliage 35g

LFT-3SG Spring Green
Fine ground cover / foliage 35g

CODING CHART

LFM = Mixed colours
LFS = Solid one colour
LFT = Two tone (dark & light)
1 = Coarse bushes/ foliage clusters
2 = Medium foliage
3 = Coarse grass/ ground cover
4 = Fine grass

MBS — MODEL BUILDERS SUPPLY

GRAVELS, SCREENINGS & MULCH   Deep coloured gravels for a variety of applications. Perfect for ballast in model railways, doll-house gardens, screenings in other models. Apply to terrain with white glue, Gloop, or Silicone. **Bulk packs available.**

GRV-FTC Fine Terra Cotta 300g

GRV-MBL Medium Black 300g

GRV-FBL Fine Black 300g

GRV-FGY Fine Grey 300g

GRV-FBR Fine Brown 300g

GRV-FBU Fine Buff 300g

GRV-MWH Medium White 300g

GRV-FWH Fine White 300g

GRV-C Coarse mix 150g

PBL Mixed pebbles 150g

MULCH - Interior & Exterior
Made from recycled tires, Non-Toxic * Non-Flamable * Non-Fading. Great for use as coal or surrounding slot car tracks & gardens. Use GLOOP or silicone to glue down.

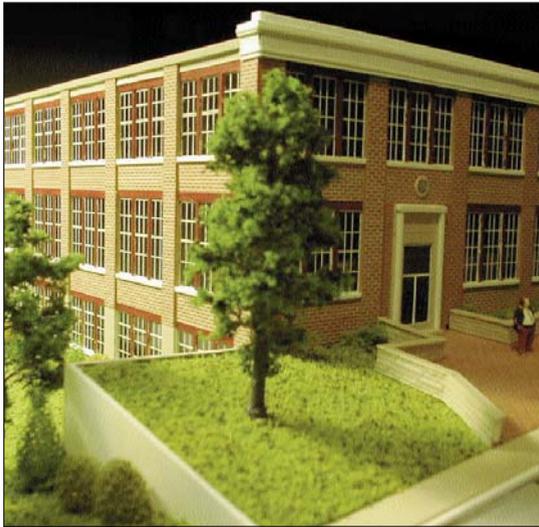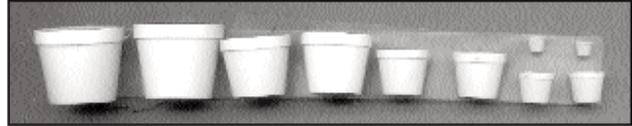| Order Code	Size
MUL-1TC	125ml (1/2 cup)
MUL-1BK	125ml (1/2 cup)
MUL-4TC	1 Lt. (4 cups)
MUL-4BK	1 Lt. (4 cups)

MUL-Terracotta   MUL-Black
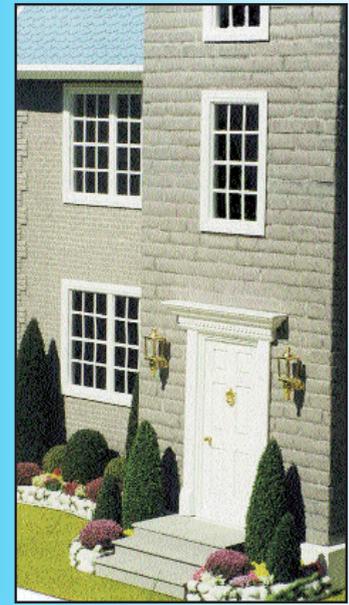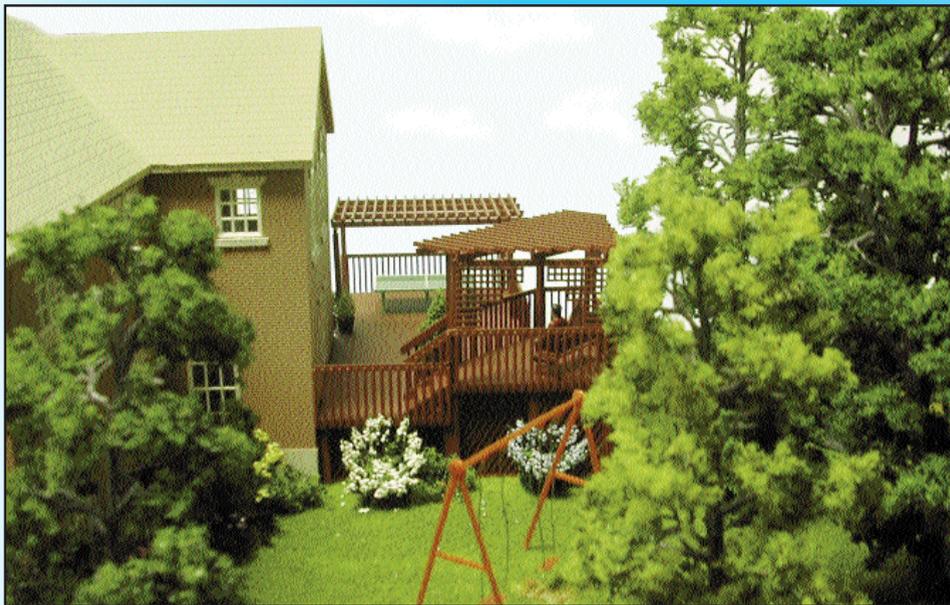
SIZE IS EVERYTHING
In scale modeling of dioramas, model railroad layouts, architectural models, war gaming and even dollhouse miniatures, the way scenery is done can make or break the whole finished effect. Make sure when choosing your landscaping, you choose trees that are appropriate for the scale you are working in. Many different size trees can be put onto one model in one scale. For that reason we do not label scales on our trees. Use this handy chart to determine the life size of the tree in the scale you are using. Use the "Tree Height" column to determine which size model tree to order. Scales given are combined to include railroad & architectural scales, so sizes are somewhat approximate.

| Tree height	G scale 1:24	1:32	O scale 1:48	1:50	HO scale 1:87	1:100	N scale 1:160	Z scale 1:220	1:200
9"	18'	24'	36'		63'		117'	162'	
8"	16'	21'	32'		56'		104'	144'	
7"	14'	18'5"	28'		49'		91'	126'	
6"	12'	16'	24'		42'		78'	108'	
5"	10'	13'	20'		35'		65'	90'	
4"	8'	10'5"	16'		28'		52'	72'	
3"	6'	8'	12'		21'		39'	54'	
2"	4'	5'4"	8'		14'		26'	36'	
1"	2'	28"	4'		7'		13'	18'	

Exterior Furnishings

POTS   10 pots of different sizes. White injection molded styrene. 2 of each size.
Rim dia: 5/8" 16mm - 1/2" 12mm - 3/8" 9mm - 1/4" 6mm - 1/8" 3mm
Order Code: POTS   (shown)
WOODEN POTS Great for planting our Squeeze Me trees. Can be painted.
Order Code:POT-118 1" (25mm)dia x 1 1/6"(27mm) high. Singles
Order Code:POT-158 1 1/2" (38mm) dia x 1 5/8"(41mm) high. Singles

FOUNTAINS   Suited for use in scale work from 1" (1:12) scale
to 1/8" (1:100), these fountains have a good level of realism with
the cascading water molded in. For outdoor or indoor scenic appli-
cations. **Sold individually.**
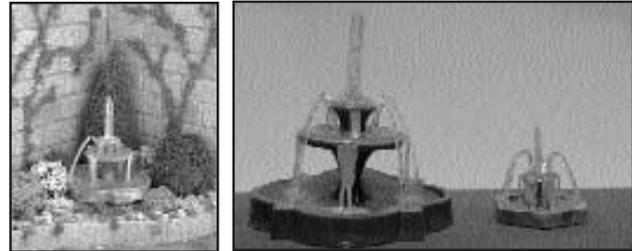
Order Code	Base Style	Size mm	in
FTNS-32	Cloverleaf/square	25	1
FTNS-48	Cloverleaf/square	35	1 3/8
FTNS-76	Cloverleaf/square	60	2 3/8

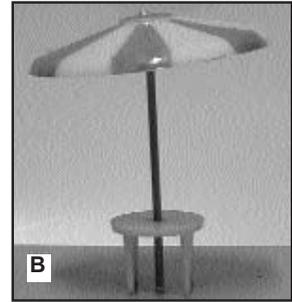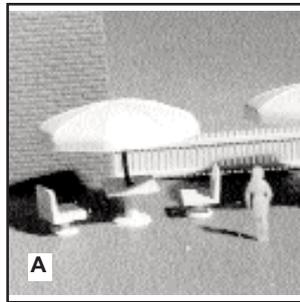
PATIO FURNITURE SETS IN 1/8 & 1/16 (1:100 &
1:200) SCALES (A)High quality unpainted patio sets with table,
umbrella, and two chairs. Molded from **white** styrene. Umbrellas have
raised ribs to allow clean painting divisions. These sets do not come
with the umbrella pole, which can be made from wire or styrene rod.

PATIO TABLE & UMBRELLA SETS IN VARIOUS SCALES (B)
These are good quality sets with tables and umbrellas with poles
included. Chairs are not included with these sets. Tables are molded
in white polyethylene, the umbrellas (styrene) have alternate coloured
divisions. Each package has a random assortment of umbrella colours.
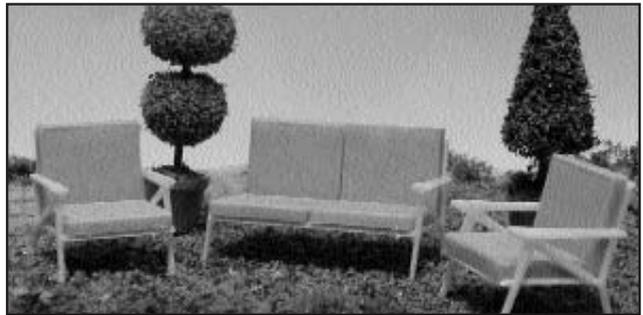

Style A

Order Code	Pkg.	Scale
PAT-100W	2 sets	1/8", 1:100
PAT-200W	3 sets	1/16", 1:200

Style B

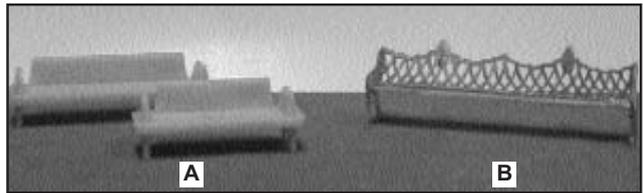| Order Code	Pkg.	Scale
PAT-24	1set	1/2" 1:24
PAT-48	2sets	1/4" 1"48
PAT-100	3sets	1/8", 1:100
PAT-200	5sets	1/16", 1:200

PATIO FURNITURE SETS IN VARIOUS SCALES   These
attractive patio lounge furniture sets are molded of styrene and con-
sist of two single chairs and one love seat with eight separate cush-
ions . Chair frames are black and cushions are red. (**3 pc sets**).

Order Code	Pkg.	Scale
BENP-24	3	1/2", 1:24
BENP-48	3	1/4", 1:48
BENP-100	3	1/8", 1:100

PARK BENCHES   Two styles of park benches. One style is generic
(A) molded in grey polyethelene. The other style represents a colonial
wrought-iron park bench (B)molded in silver styrene.

Order Code	Style	Scale	Description	Pkg.
BEN-24	A	1/2", 1:24	Standard park bench	2
BEN-48	A	1/4", 1:48	Standard park bench	4
BEN-100	A	1/8", 1:100	Standard park bench	6
BEN-200	A	1/16", 1:200	Standard park bench	8
BENO-48	B	1/4", 1:48	Colonial-style bench	2
BENO-100	B	1/8", 1:100	Colonial-style bench	3

PLAYGROUND SETS   Complete sets of playground equipment
including swings, slide, seesaw and three benches. Molded in
coloured polyethylene & styrene. (**6 pc sets**).

Order Code	Pkg.	Scale
PLAY-48	6	61/4", 1:48
PLAY-100	6	1/8", 1:100
PLAY-200	6	1/16", (1:200)

This section features a wide range of items particularly suited to architectural scale models, including interior layout. (Most items in this section are somewhat generic). Although most illustrations are not actual size, we have taken efforts to portray the products in this section as accurately as possible and provide dimensional information where important to the product characteristics.*****
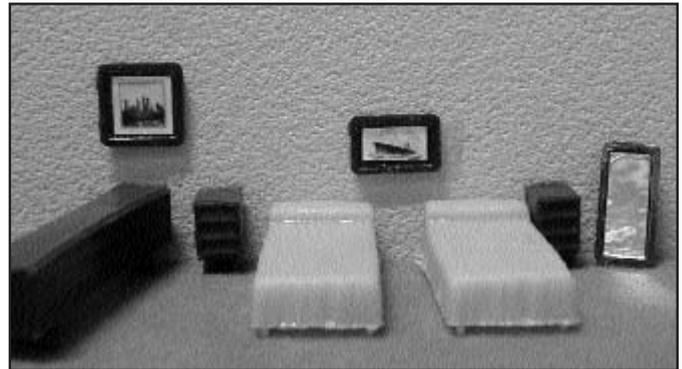
BEDROOM FURNITURE 5 PC SET 1/2 (1:24) This contemporary bedroom set is available in unfinished urethane resin castings with wood grain texture. Easy to finish with acrylic paint. Set comes with: Queen bed, armoire, dresser, chest & only 1 night table.

Order Code: HBED-24
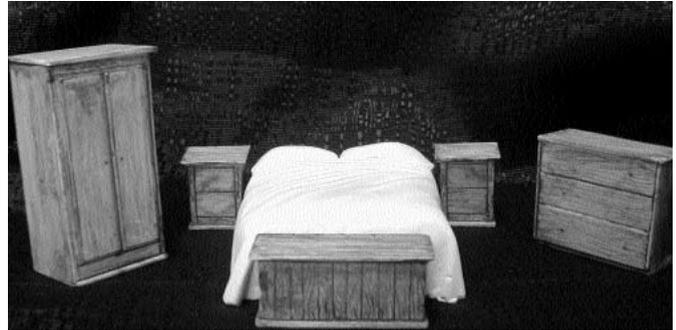
BEDROOM SETS & FURNISHINGS   A collection of bedroom sets and separate furnishings varying in scale and contents. Colour of beds may vary, other furnishing molded in brown polyethylene. For furniture sets, actual package contents may vary somewhat.

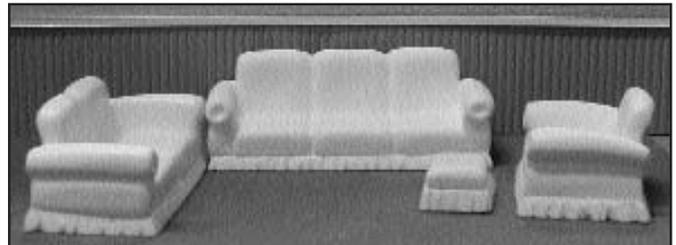| Order Code	Scale	Description/Contents
HLM-48	1/4", 1:48	Master: 1 double w/headboard, 2 dressers, 2 pictures & mirror
HLB-48	1/4", 1:48	2 singles, 1 dresser, 1 night table, 3 pictures
HLB-100	1/8", 1:100	1 double, 2 singles w/headboards, 4 dressers, 1 night table, 3 pictures
BED-24	1/2", 1:24	1 bed
BED-48	1/4", 1:48	2 single beds & 1 double bed with headboard
BED-100	1/8", 1:100	2 beds
BDRW-24	1/2", 1:24	2 dressers
BDRW-48	1/4", 1:48	4 dressers, 1 night table
BDRW-100	1/8", 1:100	6 dressers, 2 night tables
BNTB-24	1/2", 1:24	2 night tables
BNTB-48	1/4", 1:48	4 night tables

LIVING ROOM FURNITURE 4 PC SET 1/2 (1:24) This contemporary living room is available in unfinished urethane resin castings. Easily finished with spray textured finishes, acrylic paint, or fabric applied with Weldbond adhesive or a tacky glue.

Set comes with: Sofa, loveseat, chair & ottoman

Order Code: HLVG-24

LIVING ROOM SETS   Available in 1/4" (1:48) and 1/8" (1:100) scales, complete living room furnishings molded in coloured polyethylene. Colours and contents may vary.

Order Code	Scale	Description/contents	Pkg.
HLL-48	1/4", 1:48	Sectional couch, chairs, floor lamp, pictures, stereo, coffee table & phone	14
HLL-100	1/8", 1:100	Sectional couch, chairs, picture, television, bar & barstools	13

DINING ROOM SETS Available in 1/4" (1:48) and 1/8" (1:100) scales, complete dining room furnishings molded in dark brown polyethylene.

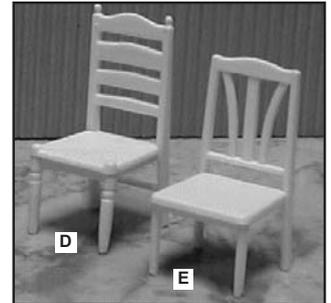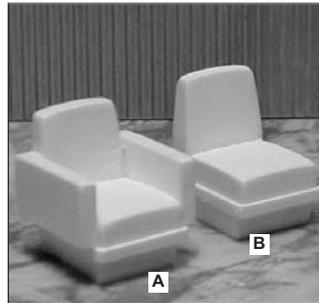| Order Code	Scale	Description/contents	Pkg.
HLD-48	1/4", 1:48	table, 8 chairs, buffet & picture	11
HLD-100	1/8", 1:100	table, 8 chairs, buffet & picture	11

TABLE & CHAIR SETS Available in 1/2" (1:24), 1/4" (1:48) and 1/8" (1:100) scales. Suitable for dining rooms or office layout board rooms. Molded in dark brown polyethylene.

Order Code	Scale	Description/contents
TBLD-24	1/2", 1:24	table, four chairs
TBLD-48	1/4", 1:48	table, eight chairs
TBLD-100	1/8", 1:100	table, eight chairs
SCRN-24	1/2" , 1:24	3 section folding screen

CHAIRS & TABLE IN 1/2 (1:24) SCALE These chairs are professional quality. Tops and bases of D & E are separate and need minor assembly. (Use solvent APSC).

Order Code	Pkg	Style	Description	Material
CHRC-24F	1	A	Armed lounge chair	cast resin
CHRC-24E	1	B	Armless lounge chair	cast resin
CHRC-24H	2	D	Rung back chair	injection molded
CHRC-24G	2	E	Fan back chair	injection molded

RESTAURANT TABLE & CHAIR SETS Available in 1/4" (1:48) and 1/8" (1:100) scales. Shape of tables vary with scale (round or square) . Molded in dark brown polyethylene.

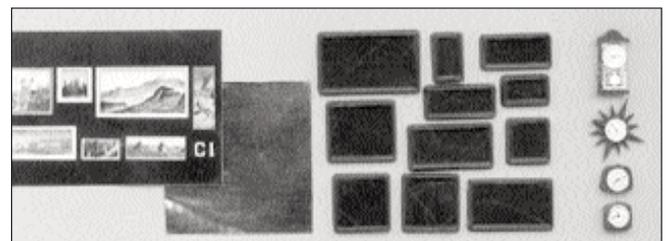| Order Code	Scale	Description/contents
TBLR-48	1/4", 1:48	Four tables, sixteen chairs
TBLR-100	1/8", 1:100	Six tables, twenty-four chairs

TABLE & CHAIRS IN 1/4 (1:48) SCALE High quality table & chair set injection-molded in white ABS. Set includes one table and four chairs.
Order Code: **TC-48W**

TC-48W

WALL DECOR Available in 1/4" (1:48) scale, pictures and clocks molded in dark brown polyethylene with colour printed paper and mirror paper inserts. These can also be used as 1:100 & 1:24 for different sizes. Largest frame is 1 3/16" x11/16", the smallest is 9/16" x 5/16"

Order Code	Scale	Description/contents
PIC-A	1/4", 1:48	11 assorted pictures & Mirrors
CLK-A	1/4", 1:48	4 assorted clocks

TVs & COMPUTER IN 1/2 (1:24) & 1/4 (1:48) SCALE
These items are cast or molded. The televisions & stand (sold separately) are cast urethane and the computer equipment is in light grey.


| Order Code	Style	Scale	Description/Type of material
HTV-24	A	1/2", (1:24)	Television / cast resin
HTVS-24	B	1/2", (1:24)	Television stand / cast resin
HTVF-24	not shown	1/2" (1:24)	42" Flat screen TV (1 3/4"wide) cast resin
TV-48	C	1/4", (1:48)	Big screen TV, 36"TV, stereo & speakers / poly
HPC-24	D	1/2", (1:24)	Four piece computer & printer / cast resin
OFEQ-48	E	1/4", (1:48)	10pc office eqip.fax, phone, computer, calc/poly
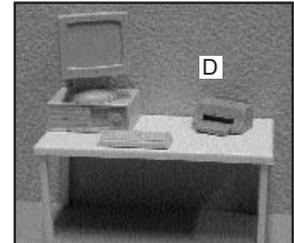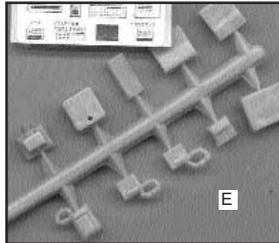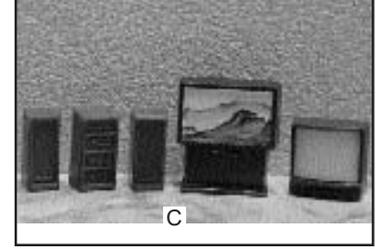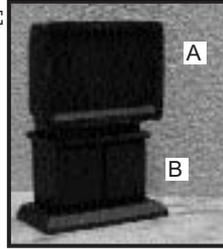
SEWING MACHINE 1/4
(1:48)
This sewing machine is molded brown poly-ethylene case and green machine.
1 per pack
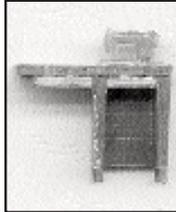
OFFICE FURNITURE IN 1/4 (1:48) SCALE
Professional quality office furnishings injection-molded in white styrene.

Order Code	Scale	Pkg.	Description
CRED-48	1/4", 1:48	1	Credenza
DESK-48	1/4", 1:48	1	Desk
CHRA-48	1/4", 1:48	2	Arm swivel chair
CHRS-48	1/4", 1:48	4	Swivel chair
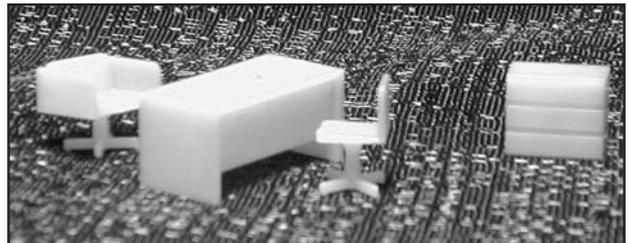
OFFICE FURNISHINGS A collection of office furnishing sets and separate items varying in scale and contents. Check carefully the contents of each item in the scale you require. Molded in dark brown poly-ethylene.

Order Code	Scale	Description/contents
OFIC-25	1/2", 1:24	1 desk, 1 chair, 1 library, typewriter & phone
OFIC-48	1/4", 1:48	1 desk, 1 chair, 1 library, 2 filing cabinets, picture, typewriter & phone
OFIC-100	1/8", 1:100	2 desks, 2 chairs, 2 libraries, 6 filing cabinets, 1 credenza & 1 picture
LIBR-24	1/2", 1:24	1 shelving library
LIBR-48	1/4", 1:48	1 shelving library
DSKC-24	1/2", 1:24	1 desk, 1 chair
DSKC-48	1/4", 1:48	1 desk, 1 chair
DSKC-100	1/8", 1:100	1 desk, 1 chair

MUSICAL INSTRUMENTS A string and piano ensemble, or pianos and organs separately.

Order Code	Scale	Description/contents
PIAN-48	1/4", 1:48	1 piano & stool, 4 violins, 2 cello, 1 bass
PIAN-24	1/2", 1:24	Grand piano & stool
PIAN-100	1/8", 1:100	Grand piano & stool
ORGN-24	1/2", 1:24	Organ & stool
ORGN-48	1/4", 1:48	Organ & stool

THEATRE SEATS Available in 1/2" (1:24) - 1/8" (1:100) scales. Molded in brown polyethylene. (THES-48 is white styrene)

Order Code	Scale	Description/contents	colour
THES-24	1/2", 1:24	1 row of 4 seats	Brown
THES-48	1/4", 1:48	1 row of 6 seats	White
THES-100	1/8", 1:100	1 row of 16 seats	Brown

KITCHEN & BATHROOM FIXTURES 1/2   (1:24) The items in this collection are of contemporary design and add style to room settings. As identified in the table below, some items are vacuum-formed, some injection molded, and some are resin castings. All items

Order Code	Item	Description	Type of material
PED-24	A	Pedestal sink (white)	Injection molded styrene
TOL-24	B	High Toilet (white)	Urethane resin casting
TOIL-24	C	Low Toilet (white)	Urethane resin casting
OVT-24W	D	Oval tub (white)	Vacuum-formed styrene
OVT-24C	D	Oval tub (clear)	Vacuum-formed styrene
OBT-24W	E	Standard tub (white)	Vacuum-formed styrene
OBT-24C	E	Standard tub (clear)	Vacuum-formed styrene
HTB-24W	F	Hot tub (white)	Vacuum-formed styrene
HTB--24C	F	Hot tub (clear)	Vacuum-formed styrene
VAS-24W	G	Vanity sink (white)**No faucets**	Vacuum-formed styrene
VAS-24C	G	Vanity sink (clear)**No faucets**	Vacuum-formed styrene
SKS-24SS	H	Single kitchen sink (metallic)	Vacuum-formed styrene
SKS-24C	H	Single kitchen sink (clear)	Vacuum-formed styrene
DKS-24SS	I	Double kitchen sink (metallic)	Vacuum-formed styrene
DKS-24C	I	Double kitchen sink (clear)	Vacuum-formed styrene
FVS-24G	J	Faucet - vanity, tub or kitchen	Gold tone pewter
TUBS-24	K	Fully enclosed tub (white)	Polyethylene

**Round hot tub available page 60**
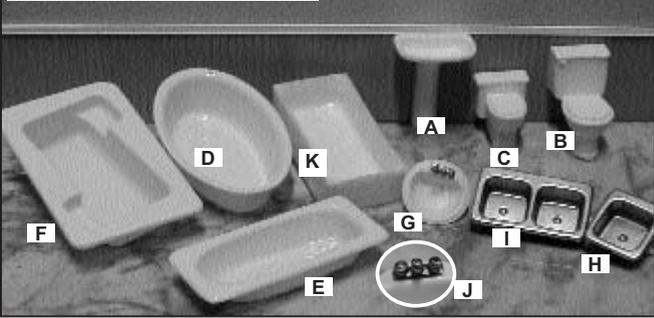
BATHROOM FIXTURES   A collection of bathroom fixture sets and separate items varying in scale and contents. Check carefully the con- tents of each item in the scale you require. Molded in white polyethylene.

| Order Code	Scale	Description/contents
HLH-48	1/4", 1:48	1 tub, 2 sinks, 2 toilets, 2 mirrors, 1 heater
HLH-100	1/8", 1:100	1 tub, 2 sinks, 2 toilets, 2 mirrors, 1 heater
TOLS-24	1/2", 1:24	1 toilet, 1 sink
TOLS-48	1/4", 1:48	1 toilet, 1 sink
TOLS-100	1/8", 1:100	1 toilet, 1 sink
TUBS-24	1/2", 1:24	1 bathtub
TUBS-48	1/4", 1:48	2 bathtubs
TUBS-100	1/8", 1:100	2 bathtubs

APPLIANCES IN 1/2 (1:24) SCALE These appliances are great for 1/2" (1:24) scale dollhouses and interior layout mod- els. They are all resin castings with excellent detail. Very easy to paint with arcylic paints. Stove has acrylic window and decal

| Order Code	Item	Description
APPL-24F	A	Refrigerator
APPL-24S	B	Stove
APPL-24W	C	Washer
APPL-24D	D	Dryer
APPL-24DW	E	Dishwasher
APPL-24AF	F	Apartment refrigerator
APPL-24M	G	Microwave
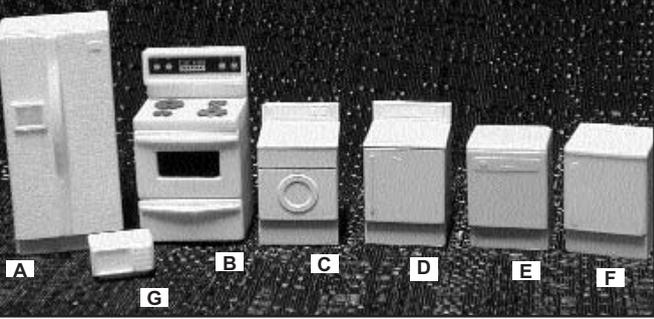
KITCHEN SETS   Available in 1/2" (1:24), 1/4" (1:48) and 1/8" (1:100) scales. Include counters, cabinets, and appli- ances. Molded in white polyethylene.

| Order Code	Scale	Description/contents
HLK-24	1/2", 1:24	3 cabinets, fridge, stove, table, one chair
HLK-48	1/4", 1:48	3 cabinets, fridge, stove, table, one chair
HLK-100	1/8", 1:100	3 cabinets, fridge, stove, table, one chair
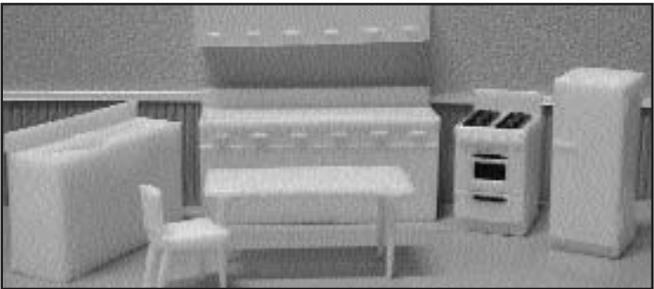
KITCHEN/VANITY CABINETS 1/2 (1:24)
These cabinets are the same cast resin as our 1:12 cabinets. Doors and drawers are non-opening. Openings on top are the lower cabinets to facilitate dropping in sinks. Can be painted using acrylic paints.

| Order Code	Item	Description
CABL-242	A	Vanity/Kitchen lower 42" wide
CABU-242	B	Kitchen upper 42" wide
CABL-232	C	Vanity/Kitchen lower 32"wide
CABU-232	D	Kitchen upper 32" wide
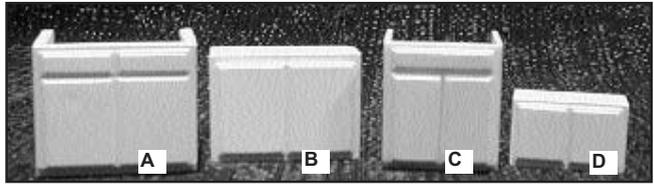
1 (1:12) SINKS FOR KITCHEN, SINKS & TOILETS FOR THE BATHROOM   These items are offered in clear and stainless steel (kitchen) and white or clear (bathroom) to allow custom decorator finishes. Faucets are separate items unless otherwise indi-

DOUBLE KITCHEN SINK   This is a modern double sink available in brushed stainless steel colour, or clear. Intended for dropping into a countertop. The outer edge of the sink measures 70mm x 40mm (2 3/4" x 1 7/16"). This sink matches nicely with our silver kitchen faucet set FKS‑12S (not included.

Order Code: DKS-12SS (Stainless Steel) **DKS-12C** (Clear)
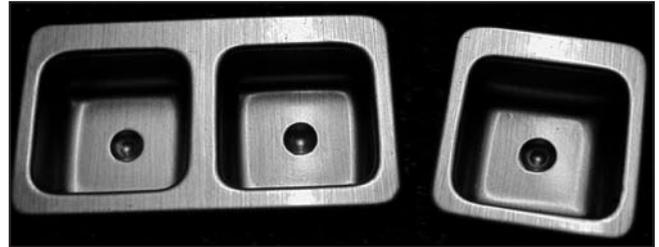
SINGLE KITCHEN SINK   This sink is also available in stainless steel finish or in clear and is intended for dropping into a countertop. The outer edge of the sink measures 35mm x 40mm (1 3/8" x 1 7/16").

Order Code: SKS-12SS (Stainless Steel) **SKS-12C** (Clear)

BATHROOM FIXTURES IN 1 (1:12) SCALE Carrying the contemporary look from the kitchen into the bathroom, our bathroom fixtures are molded from high gloss heavy duty plastic which gives them the look of genuine porcelain. All fixtures (with the exception of our Old Fashioned Bathtub) are available in either white or clear, allowing a wide range of decor options. We also offer a proprietary selection of faucets to go with these fixtures. The more common items are offered as packaged sets including faucets. Please note that order codes for all of these items include information concerning colour of fixture (White or Clear) and, where applicable, colour of hardware or faucet (Gold or Silver). Keep this in mind when ordering.
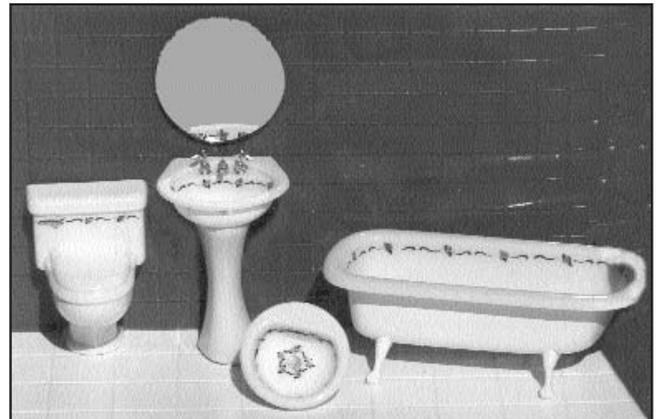
SPECIAL NOTE CONCERNING CLEAR FIXTURES: The clear plastic versions of these products allow an unlimited number of decor possibilities as they can be painted on the reverse side any colour or any style of your choosing. Simply brush or spray the underside of the fixture (the side which will be hidden from view) with your choice of acrylic paint colour. With good paint coverage, the result will always be a custom-coloured glossy ceramic-like finish. Clear fixtures come packaged with instructions.

BATHROOM FIXTURES   1 (1:12) SCALE
Available in gloss white and clear. Pedestal sink (clear) comes unassembled for painting. Washstand drain requires minimal assembly. Toilets come with gold or silver flushes already assembled. All clear fixtures come with painting instructions.

Order Code	Style	Description	Colour
VAS-12W	A	Drop in vanity sink	white
VAS-12C	A	Drop in vanity sink	clear
WSS-12W	B	Wall washstand	white
WSS-12C	B	Wall washstand	clear
PED-12W	C	Pedestal sink	white
PED-12C	C	Pedestal sink	clear
TOL-12GW	D	Toilet/gold flusher	white
TOL-12SW	D	Toilet/silver flusher	white
TOL-12GC	D	Toilet/gold flusher	clear
TOL-12SC	D	Toilet/silver flusher	clear
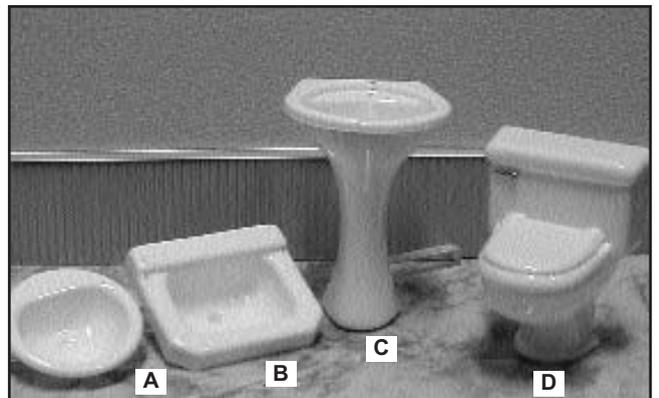
POWDER ROOM SET WITH FAUCETS   1:12 This set combines our contemporary style toilet (TOL‑12) with the pedestal sink (PED‑12) and includes faucets for the sink in a blister package. Available in either white or clear with either silver or gold faucets and flush handle.

Order Code	Description	Order Code	Description
SPR-12GW	Gold faucets/White	SPR-12GC	Gold faucets/Clear
SPR-12SW	Silver faucets/White	SPR-12SC	Silver faucets/Clear
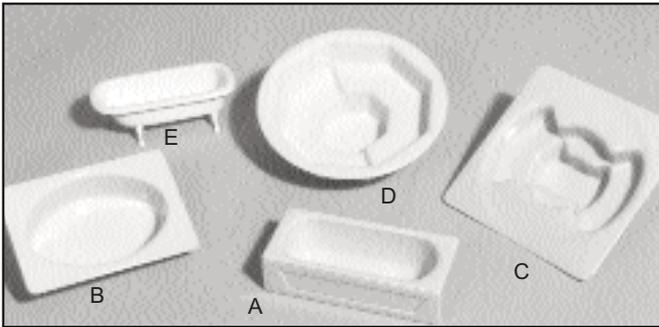
1 (1:12) TUBS,TUBS,TUBS

STANDARD BATHTUB (A)   This is a tub with relatively standard dimensions and style. Available in white or clear, this tub comes with a styled front panel (just like the real thing) which can be installed as the front part of the surround or enclosure. The outside edge of this tub measures 138mm long by 61mm wide (5 7/16" x 2 7/16"). Surround height should be 31mm (1 1/4").

Order Code: OBTP-12W (White)   **OBTP-12C** (Clear)

OVAL BATHTUB   (B)   This tub fits nicely into a custom bathroom, adding an element of elegance and luxury. The outside edge of this tub measures 136mm long by 95mm wide (5 3/8" x 3 3/4"). Surround height should be a minimum of 31mm (1 1/4").
Order Code: OVT-12W (White)   **OVT-12C** (Clear)

HOT TUB ROUND/SQ   (C) The square outer edge of this tub measures 160mm (5 7/8") on each side, the tub itself having a diameter of 140mm (5 1/2"). Surround height should be a minimum of 38mm(1 1/2").
Order Code: HTB-12W (White)   **HTB-12C** (Clear)

HOT TUB OCTAGONAL   (D) **1:12** This hot tub is great for either indoor or outdoor scenes. With just a few materials (a small aquarium air pump, some plastic tubing and some silicone) it can be made to work. The outside edge of the tub has a diameter of 158mm (6 1/4"). Surround height should be a minimum of 48mm(1 7/8").
Order Code: HTBO-12W (White)   **HTBO-12C** (Clear)

Also available 1:24 (1/2" scale) Dia. 90mm (3.5") ht. 40mm (1.5")

Order Code: HTBO-24   clear only.

HOT TUB KIT 1 1:12 (below)
Everything you need to make the hot tub (HTBO-12C)in the picture; clear plastic tub, styrene siding, diverter knobs, STICK'M adhesive sheet and a sample piece of siding to perfect your painting skills. (Landscaping,brick,lights & accessories not included). Add Magic Water or MBS plastic water sheet, cut to size or add real water. It can be made to work too. **Complete instructions included.**
Order Code: KIT-HT

STANDARD BATHTUB SET (WITH FAUCETS)   This is the same tub as OBTP>12packaged in a blister pack as a set with either silver or gold faucets and shower head.

Order Code	Description	Order Code	Description
SBT-12GW	Gold faucets/White tub	**SBT-12GC**	Gold faucets/Clear tub
SBT-12SW	Silver faucets/White tub	**SBT-12SC**	Silver faucets/Clear tub

OLD FASHIONED BATHTUB (E)   This is a free-standing tub which comes with clawed feet supports uninstalled so belly can be painted, just attach feet with Weldbond after you've painted. It stands 69mm tall by 56mm wide by 125mm long (1 3/4" x 2 1/4" x 5"). This tub is available in white & clear, belly of white tub can be painted on the outside to provide a decorative contrast.
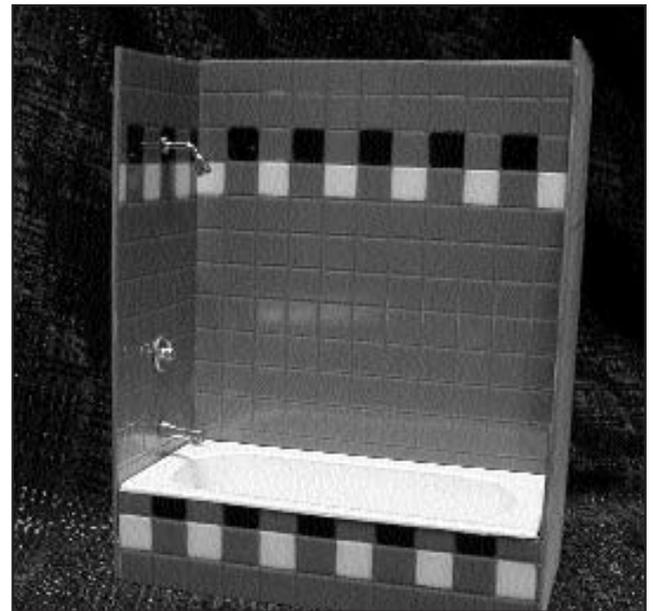
Comes blister packaged.

Order Code: SOT-12W (white)   SOT-12C (clear)

TUB/SHOWER ENCLOSURE KIT   IN 1 (1:12) SCALE
Build your own tub/shower enclosure with this kit. Kit includes tub, front panel enclosure, tile panels cut to size, shower head, faucet, taps and STICKM adhesive sheet. Full instructions on finishing and assembling are included. The tile panels are clear so that they can be finished to match any decor. Use acrylic paint (flat or gloss) to paint the reverse side (the side where the grid lines are pointing up). As long as you have good paint coverage, you will achieve a solid ceramic look on the good side.

Tub is supplied in clear with a choice of chrome (silver)or gold hardware: shower head, faucet, and dial knob.
Order Code: KITTUB-1 (silver)   **KITTUB-2** (gold)
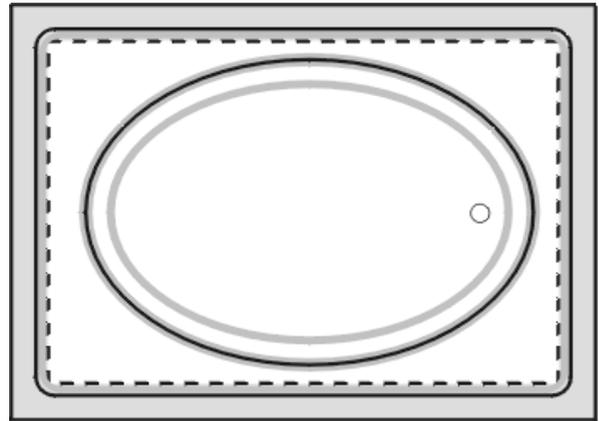
Printed with permission by Brooke Tucker

A NOTE ABOUT SURROUNDS: In its most simple form, a surround is a box (normally constructed from plastic or wood) with a cutout into which the tub is placed with the edge of the tub supported on the box (see illustration at right). Your surround should be somewhat larger than the tub on all sides. The opening into which the tub is dropped should be 3mm (1/8") smaller than the outside edge of the tub on all sides. Depending on the decoration scheme you have in mind and the space allowance, you may want to make a larger surround, incorporate tiling, planking and decorative trim.
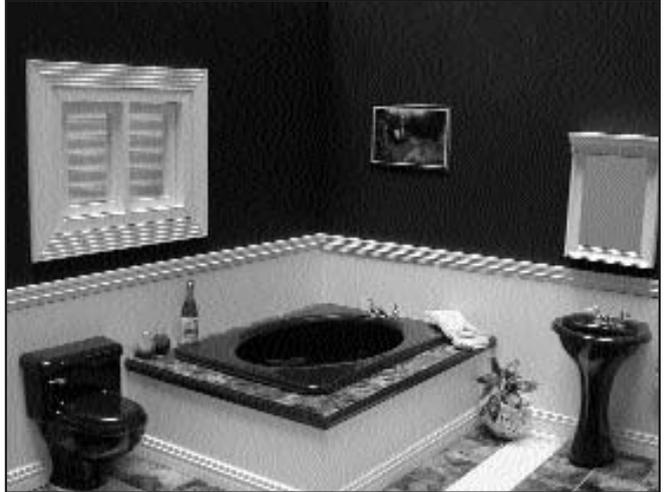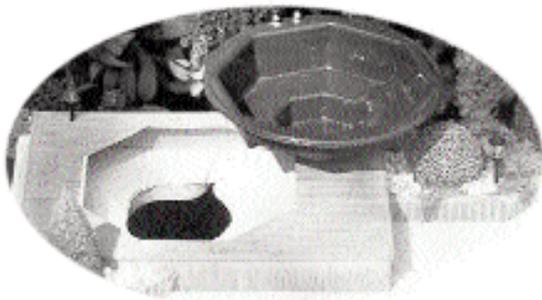

Illustration of simple tub surround (pictured in grey) for an oval tub.


The hot tub deck surround above is made the same way as a bath tub surround except it would usually be made larger. Just add landscaping, stone walkway and a little water in your tub and you've got a great backyard setting.

FAUCETS IN 1 & 1/2 (1:12 & 1:24) SCALE These original MBS faucets are the finishing touch for your bathroom or kitchen, adding a touch of elegant realism. Both vanity sink faucet sets and the kitchen sink faucet set come with handles attached to a baseplate, making installation a snap (super glue is recommended). The 1:12 vanity sink faucets and the shower/bath faucets are available in either gold or silver. The kitchen faucets are only available in silver. The 1:24 faucet is only available in gold.

Order Code		Fancy	Order Code		Standard
FVSN-12G	**A**	Gold vanity faucets	**FVSN-12S**	**B**	Silver vanity faucets
FSHN-12G	**C**	Gold shower/bath faucets	**FSHN-12S**	**D**	Silver shower/tub faucets
FKS-12S	**E**	Silver kitchen sink faucets	**FVS-24G**	**F**	1:24 faucet gold only
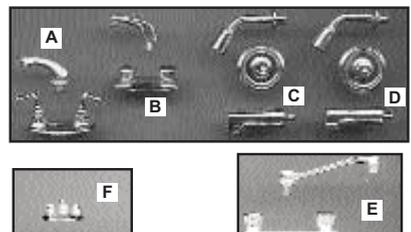
1/2" (1:24) FAUCET is designed to be used for 1:24 sinks *or* tubs.

STANDING FIGURES   Injection molded white styrene, male and female symbolic standing figures suited to architectural model-ling applications. Each figure has a molded-in pin for easy fasten-ing to the model surface.

| Order Code	Imperial	Scale Metric	Pkg.	Order Code	Imperial	Scale Metric	Pkg.
PE-4	1/4"	1:48	6	PE-16	1" = 16'	1:200	40
PE-7	1" = 87"	1:87	12	PE-20	1" = 20'	1:250	40
PE-8	1/8"	1:100	40	PE-32	1" = 32'	1:400	40
PE-10	3/32"	1:150	40				
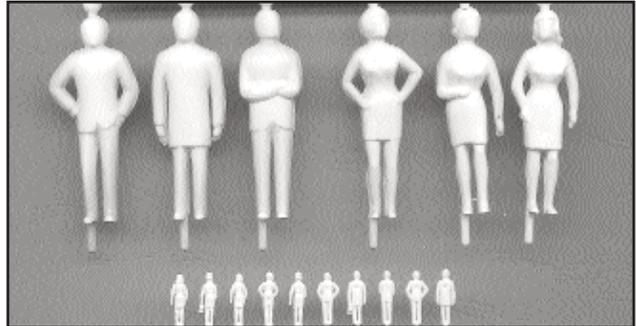
DETAILED SUPER FIGURES   Excellent detail makes these "super people" a pleasure to paint and add to any similarly scaled model. Each package contains a random assortment of figures, not all figures shown. Injection molded in white styrene and unpainted.

Order Code	Scale	Description	Pkg.
PE-48SP	1/4" ,1:48	Standing figures	5
PE-8SP	1/8", 1:100	Standing figures	10
PE-16SP	1/16", 1:200	Standing figures	10
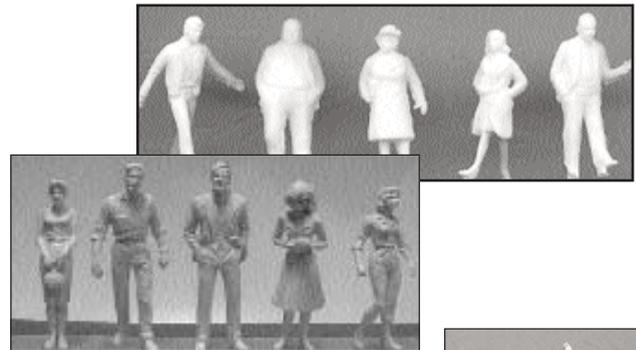
INDUSTRIAL SCALE FIGURES Generally intended for use with engineering models, these figures are accurately detailed and can be used in railroad and dioramas. Injection molded in tan colored ABS plastic.

Order Code	Scale	Description	Pkg.
93311	1/4", 1:50	Standing	3
93301	1/4", 1:50	Reaching	3
93312	3/8", 1:32	Standing	2
93302	3/8", 1:32	Reaching	2
93313	1/2", 1:24	Standing	2
93303	1/2", 1:24	Reaching	2
93314	3/4", 1:16	Standing	1
93304	3/4", 1:16	Reaching	1
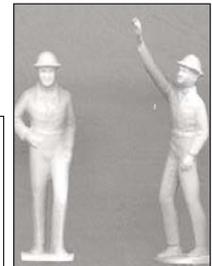
Standing   Reaching

PAINTED FIGURES IN 1/16 >1/2 ,(1:200 > 1:24) SCALE These figures are injection molded polyethylene. Although not having the same detail as the "super people" featured in this section, these figures are painted and ready to use, repre-senting good value. Sets of figures include standing figures, sitting figures, families, and children. Figures have pins molded into one foot for easy

Order Code	Scale	Description	Pkg.
PFI-24P	1/2", 1:24	Standing figures	4
PFI-48P	1/4", 1:50	Standing figures	6
PFI-48FM	1/4", 1:50	Family figures	6
PFI-48CH	1/4", 1:50	Children	6
PFI-48S	1/4", 1:50	Sitting figures	6
PFI-100P	1/8", 1:100	Standing figures	9
PFI-100FM	1/8", 1:100	Family figures	9
PFI-100CH	1/8", 1:100	Children	9
PFI-100S	1/8", 1:100	Sitting figures	9
PFI-200P	1/16", 1:200	Standing figures	18

PFI-24P

COWS, HORSES & DOGS 1/4 (1:48) SCALE Polyethylene, multi coloured.

Order Code	Description	Pkg
COW-48	Cows 1:48 Not Shown	4
HORS-48	Horses 1:48	2
ANIM-48	Assort. horses, cows, sheep, pigs chickens	24
DOG-48	Dogs 1:48	6

CARS & VANS   Nine scales of cars and vans in injection molded styrene. Depending on the scale, the number of vehicle styles vary from 5 to only 2 styles. Each vehicle has a tapered pin for quick clean fastening. Vehicles are packaged as a random assortment of all styles available in that scale. Available in white and some scales are available in mixed colours as noted below.
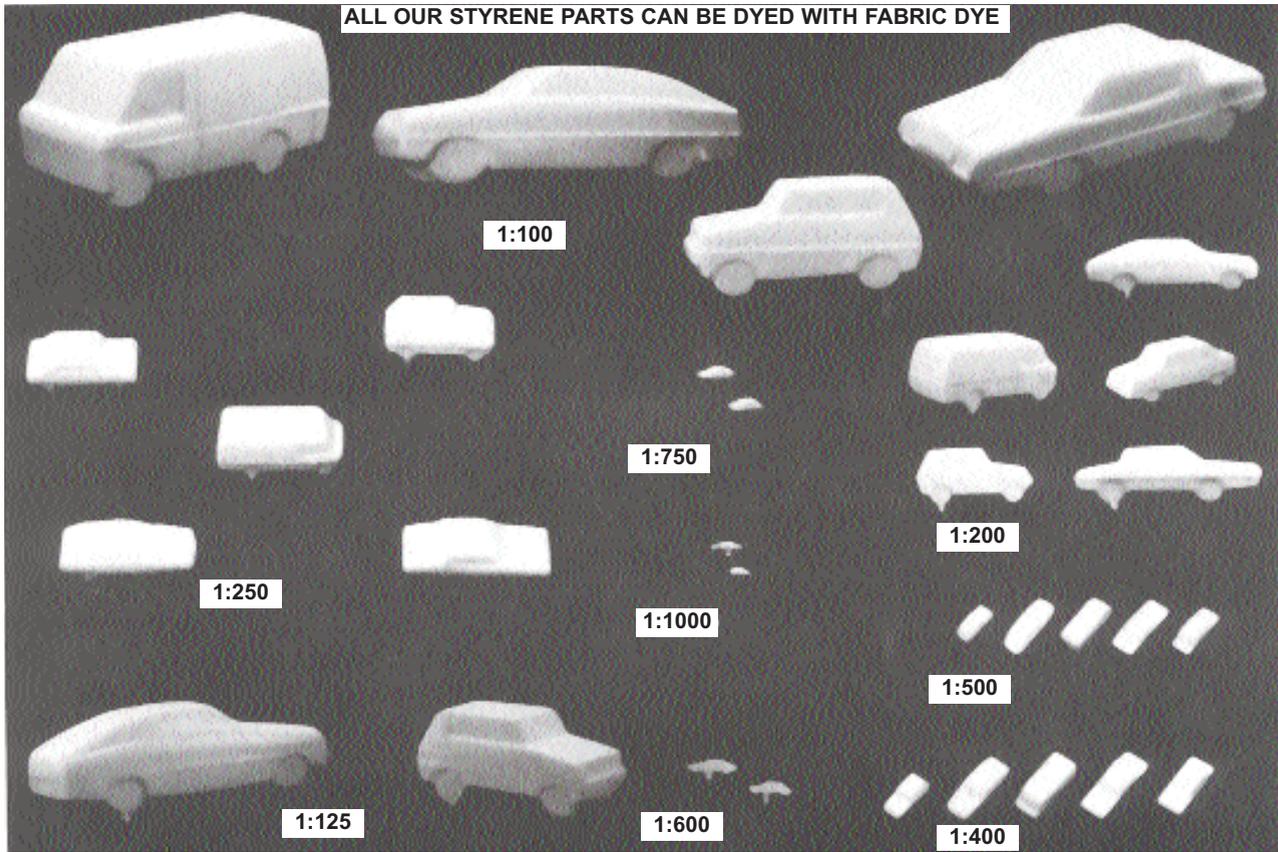
ALL OUR STYRENE PARTS CAN BE DYED WITH FABRIC DYE

1:100

1:750

1:250

1:200

1:1000

1:500

1:125

1:600

1:400

Order Code	Scale Imperial	Metric	Colour	Pkg.	Number of Styles	Order Code	Scale Imperial	Metric	Colour	Pkg.	Number of Styles
C-8V	1/8" = 1'	1:100	Mixed	4	4	C-30VW	1/32" = 1'	1:400	white	50	5
C-8VW	1/8" = 1'	1:100	white	4	4	C-30VW/M	1/32" = 1'	1:400	white	1000	5
C-8VW/500	1/8" = 1'	1:100	white	500	4	C-40VW	1" = 40'	1:500	white	50	5
C-10V	3/32" = 1'	1:125	mixed	6	2	C-40VW/M	1" = 40'	1:500	white	1000	5
C-10VW	3/32" = 1'	1:125	white	6	2	C-50V	1" = 50'	1:600	mixed	50	5
C10VW/500	3/32" = 1'	1:125	mixed	500	2	C-50VW	1" = 50'	1:600	white	50	5
C-16V	1/16' = 1'	1:200	mixed	20	5	C-60VW	1" = 60'	1:750	white	50	2
C-16VW	1/16' = 1'	1:200	white	20	5	C-60VW/M	1" = 60'	1:750	white	1000	2
C-16VW/M	1/16' = 1'	1:200	white	1000	5	C-80VW	1" = 80'	1:1000	white	50	2
C-20VW	3/64" = 1'	1:250	white	20	5	C-80VW/M	1" = 80'	1:1000	white	1000	2
C-20VW/M	3/64" = 1'	1:250	white	1000	5						

PAINTED AUTOMOBILES IN 1/4">1 =40 (1:48
1:500) SCALE Injection molded in polyethylene and painted for a realistic look including licence plates and chrome. Each package contains a random assortment of styles and colours.

Order Code	Scale	Pkg.
CAR-48	1/4" (1:48)	2
CAR-100	1/8" (1:100)	3
CAR-200	1/16", (1:200)	8
CAR-250	3/64", (1:250)	8
CAR-500	1"=40', (1:500)	16

Architectural Accessories

MBS MODEL BUILDERS SUPPLY

BUSSES & GAS TRUCKS   (1:100 & 1:200) SCALE
Injection molded in polyethylene and painted for a realistic look.

Order Code		Scale	Pkg.
BUS-100	School bus	1/8" (1:100)	1
BUS-200	School bus	1/16" (1:200)	2
PIPE-100	Gas Truck	1/8" (1:100)	1
PIPE-200	Gas Truck	1/16" (1:200)	2

CRUISERS, SAILBOATS & BARGE/FREIGHTER   Injection molded scale boats which can be used in a variety of scales. Sizes range from 1/4"-1 3/8".

Order Code	Scale	Description	Pkg.	Style
BT-250C	1:250	Cruiser	3	A
BT-600A	1:600	Cruiser	5	B
BT-600B	1:600	Sailboat	5	C
BT-1200A	1:1200	Cruiser	5	D
BT-1200B	1:1200	Sailboat	5	E
BT-1200C	1:1200	Freighter/barge	3	F
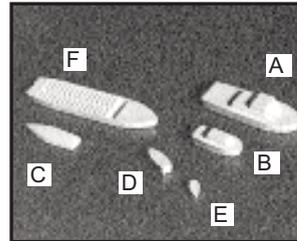
BOATS & SAILBOATS IN 1/8 & 1/16 (1:100 & 1:200) SCALE   White injection molded boats which can be used in a variety of scales. Scale noted is only a suggestion.

| Order Code	Pkg.	Scale		Description	Material
BTS-100	3	1/8"	1:100	3 Boats, 1 Sails	White polyethylene
BTS-200	10	1/16"	1:200	10 Boats, 2 Sails	White polyethylene

BTS
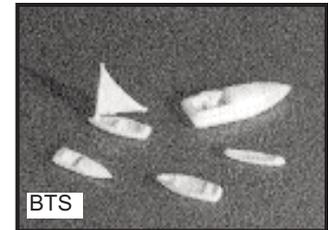
POWER BOATS & SAILBOATS IN A VARIETY OF SCALES
These items are resin castings. Suggested scales are indicated: Boats can be used in a number of scales. **Sold individually.**

Order Code	Style	Scale Imperial	Metric	Description	Length mm	in
BT-100A	A	1/8"	1:100	Cruiser	73	2 7/8
BT-100B	B	1/8"	1:100	Sailboat	89	3 1/2
BT-100D	C	1/8"	1:100	Speedboat	48	1 7/8
BT-200A	D	1/16"	1:200	Cruiser	35	1 3/8
BT-200B	E	1/16"	1:200	Sailboat	73	2 7/8
BT-200C	F	1/16"	1:200	Cruiser	48	1 7/8
BT-200E	G	1/16"	1:200	Cruiser	51	2
BT-200F	H	1/16"	1:200	Sailboat	63	2 1/2
BT-250D	I	1/20"	1:250	Cruiser	38	1 1/2
BT-250F	J	1/20"	1:250	Sailboat	42	1 5/8
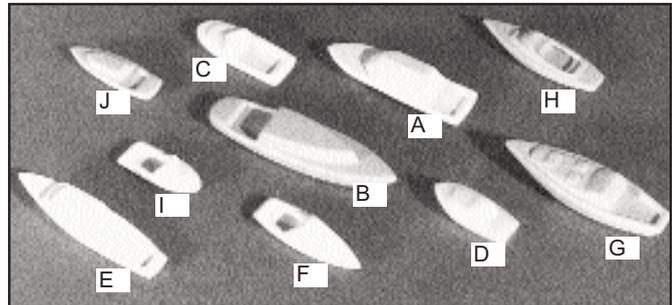
AIRPLANES   A variety of planes in silver or white polyethylene.

| Order Code	Scale	Description	Pkg.
AIR-1000	1:1000	Polyethylene	8 (6 small, 2 concords)
AIR-500	1:500	Polyethylene	5 (4 small, 1 concord)
AIR-200	1:200	Polyethylene	3 (3 small)
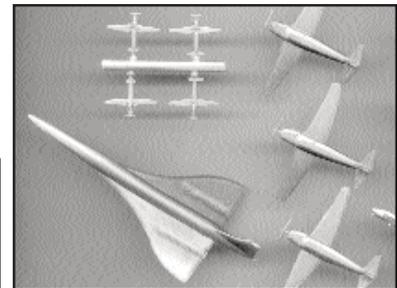
STREET LAMPS IN VARIOUS SCALES These non-working street lamps are injection molded styrene which can be painted.

| Order Code	Desc.	Scale	Pkg.
SLV-200	Village lamp	1/16", 1:200	6 (3 each)
SLB-9	Ball lamp top	3/8", 9mm dia	7
SLB-7	Ball lamp top	1/4", 6.5mm dia	15
SLB-5	Ball lamp top	3/16", 5mm dia	19
SLBs are intented to use as tops in clusters or alone. **Post not included.**			

SLB

SLV
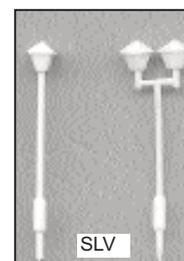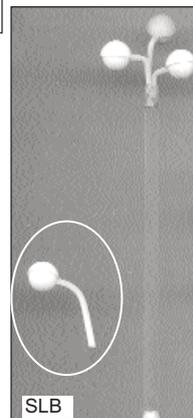
ROADWAY ACCESSORIES   IN VARIOUS SCALES   This collection of street lights, utility poles, traffic lights, and gas pumps adds realism to site layouts, dioramas and landscape projects. All items are ready to use: Injection molded in colour and painted.
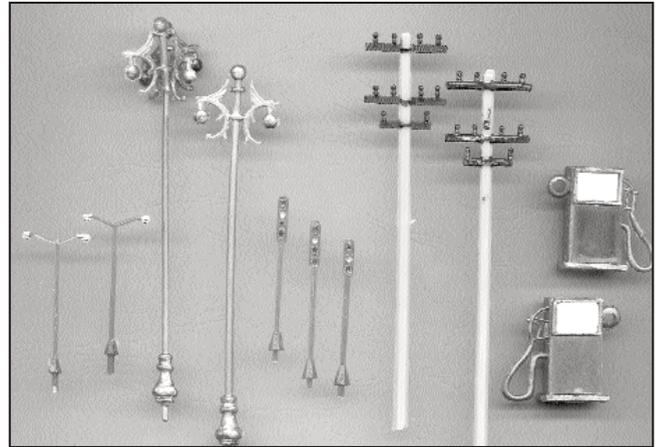
| Order Code	Scale	Description	Pkg.
SLD-48	1/4", 1:48	Double/single street lamp	2
SLD-100	1/8", 1:100	Double/single street lamp	4
SLD-200	1/16", 1:200	Double/single street lamp	6
SLD-250	1"=20', 1:250	Double/single street lamp	8
SLD-500	1"=40', 1:500	Double/single street lamp	10
SLO-48	1/4", 1:48	Colonial street lamp	2
SLO-100	1/8", 1:100	Colonial street lamp	4
TLT-48	1/4", 1:48	Traffic lights	2
TLT-100	1/8", 1:100	Traffic lights	4
TLT-200	1/16", 1:200	Traffic lights	6
TELP-48	1/4", 1:48	Telephone poles	2
TELP-100	1/8", 1:100	Telephone poles	4
TELP-200	1/16", 1:200	Telephone poles	6
GAS-48	1/4", 1:48	Gas pumps	2
GAS-100	1/8", 1:100	Gas pumps	4

STRUCTURAL TOWERS AND WATER TANKS   These items can be used for a variety of scales depending on the application. Towers are molded in aluminum coloured styrene, tanks in aluminum coloured polyethylene. The three tower items (OIL‑800, OIL‑550 & OIL‑350) can be assembled into a single three piece tower. Key dimensions rather than suggested scale are provided in the table below.

Order Code	Style	Description	Dimension	mm	in.	Pkg.
OIL-350	A	Tower, top section	Height:	95	3 3/4	2
OIL-550	A	Tower, middle section	Height:	135	5 5/16	1
OIL-800	A	Tower, bottom section	Height:	200	7 7/8	1
TANK-25	B	Water tank	Diameter:	6	1/4	8
TANK-50	B	Water tank	Diameter:	12.5	1/2	4
TANK-100	B	Water tank	Diameter:	25	1	2
TANK-175	B	Water tank	Diameter:	45	1 3/4	1
OIL-100	C	Oil Tank	Diameter:	25	1"	4
OIL-200	C	Oil Tank	Diameter:	50	2"	2
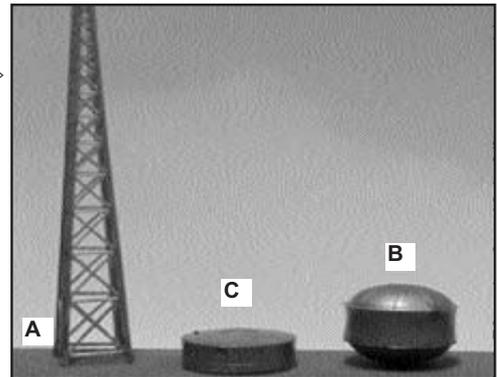
HOUSES IN SMALL SCALES These houses are injection molded in white styrene. Styles vary with each scale. NOTE: Because houses vary considerably in size, different scales might still be used for an otherwise designated scale. **10 pieces per pack.** A is shown actual size, B & C are at 90%.

Order Code	Scale	Style	Pkg
AH-50	1"=50', 1:600	A	10
AH-100	1"=100', 1:1200	B	10
AH-150	1"=150', 1:1800	C	10
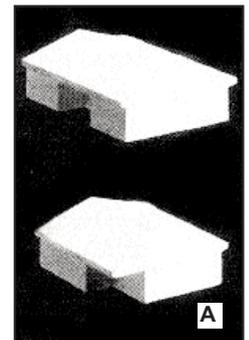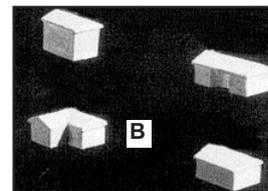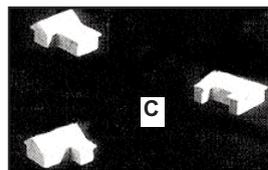
HOUSES   These houses are molded in two parts which require assembly: The house is white polyethylene, the roof is green or red.

Order Code	Scale	Pkg.
HS-200	1/16", 1:200	2
HS-500	1"=40', 1:500	8

Miscellaneous

MBS
MODEL BUILDERS SUPPLY
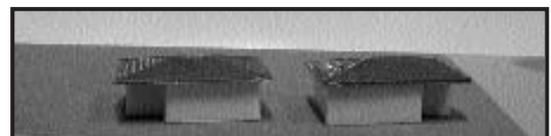
LIGHTING

FIBRE OPTICS LIGHTING Fiber optic strands allow you to readily add many minia-ture lights to a model while having only one central light source. Each strand is precision manufactured with a special core of styrene surrounded by a tough flexible acrylic cladding. Strands range in thickness from .010" to .060", to accommodate a wide range of modelling applications from lighting the Starship Enterprise to large-scale or full-size projects.

Order Code	Diameter	Strand length meters	feet	Strands per package
FOP-10	.010"	3.66	12	12
FOP-20	.020"	3.66	12	5
FOP-30	.030"	3.66	12	4
FOP-40	.040"	3.66	12	2
FOP-60	.060"	3.66	12	1
FOP-1010	.010"	91.44	300	Single strand spool
FOP-1020	.020"	60.96	200	Single strand spool
FOP-1030	.030"	45.72	150	Single strand spool
FOP-1040	.040	30.48	100	Single strand spool

BRASS FITTINGS

BRASS FITTINGS For jewelry boxes, dollhouse, crafts etc.

PIANO HINGES One brass plated 300mm long hinge (10mm wide).
Order Code: HINGE-300

BUTT HINGES Sold in pairs
Order Code: HINGE-3 13mm long x 15mm wide
HINGE-4 25mm long x 20mm wide

FANCY HINGES Plated metal, sold in pairs. Shown actual size.
Order Code: HINGE-2
HINGE-8

DOLLHOUSE HINGES Miniature brass hinges for dollhouses
Order Code: HINGE-51 8mm H x 13mm W
HINGE-50 8mm H x 8mm W
HINGE-52 14mm H x 7mm W

CLASPS Shown actual size. Sold as a set.
Order Code: CLASP-1
CLASP-2

BRASS PINS (nails) for adhering hinges or clasps
Order Code: PIB-6 6mm pins 100pc
PIB-9 9mm pins 100pc

WOOD SCREWS 20 per pack
Order Code: SCREW-18 No 2x9mm round slot head
SCREW-20 No 2x9mm flat slot head
MACHINE SCREWS 10each per pack
Order Code: SCREW-1 1x5mm C/S screws with hex nuts
SCREW-2 1x5mm cheesehead screws w/hex nuts
SCREW-3 1.4x8mm C/S screws with hex nuts

HINGE-300

HINGE-3 & 4

HINGE-2

HINGE-8

HINGE-51, 50, 52

CLASP-1
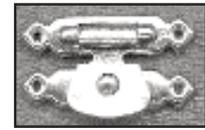
CLASP-2

SCREW-1 to 4

SCREW-18&20

PIB- 6 & 9

PLASTABETS

White styrene plastic letters and numbers. Excellent for displays, dollhouse store signs or name plaques. Also good for floor directories. The uses are limitless. Approximately 150 characters per pack.
Easily applied to styrene ot most other plastics with solvent cement (APSC)
For proper, blemish-free application: soak a sponge in our APSC solvent, with tweezers, touch the underside of letter to sponge and place in position. It will adhere almost immediately.
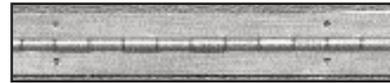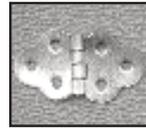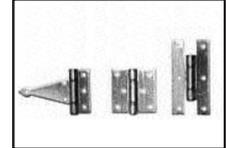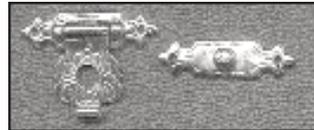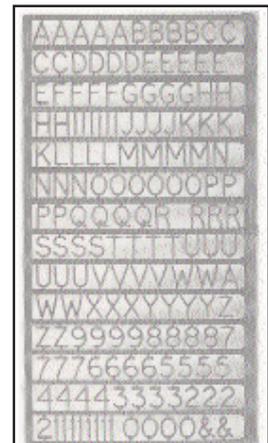
| Order Code	Actual height	
PABT-2	1.5mm	1/16"
PABT-4	3mm	1/8"
PABT-6	5mm	3/16"
PABT-10	8mm	5/16"

MBS
MODEL BUILDERS SUPPLY

In general, it is advisable to test adhesives and solvents on scraps of material before moving on to the "more critical" modeling task. To determine which adhesive does the best job for you see the adhesive chart on our web site for compatabilities between materials and the best one for the job. **www.modelbuilderssupply.com**

MBS GLOOP

Thick, strong and creamy.

GLOOP is for bonding deep patterned plasticsheets indoors and out, on plastic, wood, styrofoam & metal .Also great for landscaping materials. Did you know, you can add acrylic or latex paint to GLOOP to color match it to your foliage or base.
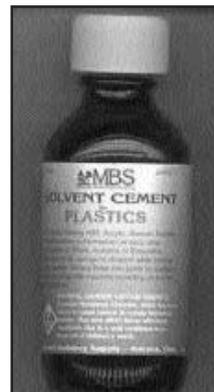8oz (227 ml)

Order Code: GLOOP
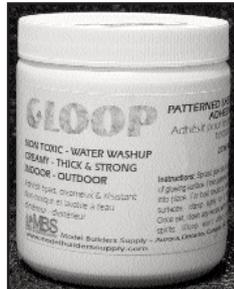
MBS SOLVENT CEMENT

For bonding plastic to plastic.Its capillary action makes it quick and easy to join seams instantly.

Apply with a brush, syringe or sovent applicator. 100 ml bottle & 500 ml can

Order Code: APSC-1 4oz (100ml)

APSC-2 1pt (500ml)

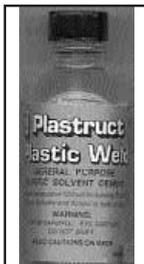### MBS SOLVENT CEMENT DISPLAY

As above.
Convenient counter display for stores.
12 bottles (100ml each) of APSC-1 solvent cement.

Order Code: DP-5

PLASTICWELD (PLASTRUCT)

Ideal for bonding dissimilar plastics with a little extra body than solvent cement.
2oz (50 ml)

Order Code: PPC-2oz

PLASTICWELD (PLASTRUCT) DISPLAY

12 bottles of PPC-2oz solvent cement as above

Order Code: 2P

MBS STICK M

Easy, clean, permanent double sided clear adhesive sheet 6-3/4" x 12". Great for flat bonding of plastic sheets, wall paper, photos, etc.
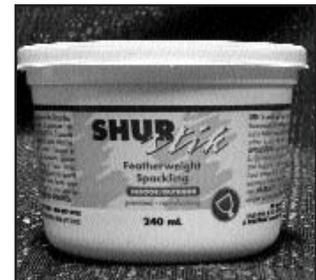
2 sheets per pack.
Order Code: STICKM

SPACKLING FILLER

Great for simulating mortar and grout on plastic sheets, filling cracks and building textures. Sands easily, low shrinkage, light weight. Paint can be mixed in for colored grout.
227ml
Order Code: SPAC

WELDBOND

WELDBOND adhesive is not just another white glue, it is the world's most versatile adhesive. It is a GLUE, SEALER, HARDNER, WEATHERPROOFER, DUST PROOFER and BONDING AGENT. Weldbond has a catalyzed polyvinyl acetate, so it looks like white glue, but that's where the similarity ends. With a few exceptions, it will bond most anything, making it an extremely useful product.
Weldbond dries clear and flexible. cleans up with water, is completely safe to use, non toxic, indefinite shelf life, water resistant, and can be used indoors or out.

Order Code	Size
WB-600	600ml
WB-341	341ml
WB-227	227ml
WB-114	114ml
WB-50	50 ml
WBN-150	150ml Non-clog tube
WBN-275	275ml Non-clog tube

Display Box

Order Code	Size
WB-7200	34x114ml,8x227ml 6x341ml in display box.

Working With Molding & Casting Materials

Molding & Casting products offer many interesting and exciting opportunities for the hobby and vocational user as well as cottage and small industry applications. Inventors and prototype makers now have a whole new set of options to help achieve their goals.

You probably have an original (or need to make one) that you want to reproduce. It must be recognized that the reproductions will be exact duplications of the original in detail, surface texture, size and configuration: good, bad or indifferent! The user should take all precaution through process of evaluation and experimentation before committing expensive or irreplaceable items to a project. Research, experience and perseverance are important aspects to producing good molds and castings.

Don't be afraid to jump in for fear of making mistakes, it's the best way to learn and you will make some bad parts regardless, so plunge in and do it. It's not that difficult and it really is lots of fun. Once you get results you will start to search out new projects, you are only limited by your imagination.

TAKE YOUR TIME TO LEARN It is important to realize that mold-making and casting materials such as these work in a gravity-fed non-pressurized environment: your worktable. This imposes particular problems compared with injection-molding (the way most plastic parts are produced), the most significant being air entrapment. For those approaching these materials for the first time, it is best to start with simple projects and work up to more complex castings as your experience, technical knowledge and skills grow. We suggest reading the MAN-M2 or checking out the Alumilite website to make yourself well knowledged in this exciting hobby. www.alumilite.com

OBSERVE SAFETY PRECAUTIONS A number of the materials listed in this section require careful handling. The user is advised to read any labeling and literature provided with the product and to follow any recommended safety precautions. If you follow the package instructions carefully, then comply with the approved applications, the materials will work properly.

Limits of liability: This information has been compiled from manufacturers technical information and instructions, plus the knowledge and experience of professional users. Because of the many variables of use, an application is solely in control of the the user, no warranty or liability of any kind is assumed by the publisher. The user is urged to test and experiment before finally committing projects.

MODELLING COMPOUNDS   The items listed below are general purpose modelling compounds: Each has its own characteristics, uses and strengths beyond the creation of masters for mold-making.

MILLIPUT EPOXY PUTTY This is a versatile two-part epoxy putty available in four grades (standard, fine, super-fine & black) and works well as a material for making masters for mold-making. MILLIPUT is the number one modelling material for military and historical figures. Once equal parts are thoroughly mixed together, a soft and highly adhesive putty is obtained with a working life of 2-3 hours at room temperature. Once fully cured, MILLIPUT is very hard and can be machined, drilled, tapped, filed, sawed, sanded and painted. Great for household repairs, leaks, wood floors, sets underwater.

STANDARD YELLOW-GREY This is a relatively coarse general usage putty best suited to usage which does not require a high level of detail and where colour is not important.

SILVER-GREY FINE This putty is better suited to sculpting and modelling figures, restoration of china and porcelain and the like.

SUPER-FINE WHITE For the discriminating sculptor, this is the finest putty and

allows the highest level of detail and surface finish.

BLACK   For restoration of porcelain, ceramics, alte, marble, ebonised wood, cast iron, antique clocks and sculpting & modelling.

Order Code	Size	Description
MEP-1	115gm, 4 oz.	Standard, yellow-grey
MEP-2	115gm , 4 oz.	Silver-grey fine
MEP-3	115gm , 4 oz.	Superfine white
MEP-4	115 gm, 4 oz.	Black
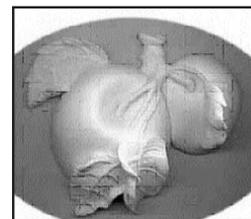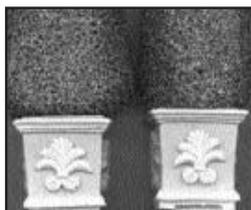
KLEAN KLAY > MODELLING CLAY This is a non-drying, non-hardening, sulfur-free modelling clay which is non-toxic and odorless. It has a smooth firm consistency and is hand pliable at room temperature. Within the range of mold-making functions, KLEAN KLAY is recommended for use with RTV silicones because it contains no sulfur or oils which can contaminate or react with the silicone. Whether for sculpting masters, sealing mold boxes, creating multi-part molds or filling gaps, KLEAN KLAY is an important molding product. Available in 454 gm (1 lb), packages in assorted colours and a 11.36 kg (25 lb) bulk quantity.

Order Code: KK-1 (454 gm / 1 lb)   **KK-25** (11.36 kg / 25 lb Tan only) **Special Order only**
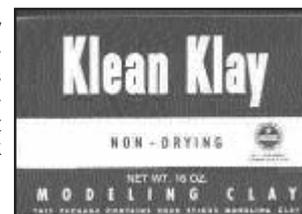
MOLD>MAKING MATERIALS For production of hard parts (whether from polymer resins such as urethane or polyester, or from plaster), a mold must have the ability to be stretched and regain its original shape. Although there are more choices in the marketplace, we offer RTV silicone and Vinamold mold-making materials, because of their distinct advantages over other products. Each has distinct applications and properties and careful attention should be paid to the suitability of each product to a particular application.

RTV SILICONE MOLD>MAKING RUBBER Room temperature vulcanizing (RTV) silicones are the leading flexible mold-making materials. Silicone offers the best combination of qualities for the casting of urethane resins and plasters as well as gypsum cements. Molds made of silicone are tough, allowing a maximum number of reproductions to be made. Silicone allows the transfer of minute detail and surface texture (including faithful reproduction of the degree of gloss of a surface). In addition, silicone demonstrates minimal shrinkage and a high degree of dimensional fidelity between the original and reproductions. Its toughness allows relatively fine deeply etched features to be captured. Silicone molds also do not require the use of a release agent, however one can be used to extend the life of a mold.

RTV>114018 This is one of the most versatile and reliable general purpose silicone products available. It has a medium durometer which allows a good amount of stretching for casting removal yet enough solidity to maintain its dimensional integrity when castings are poured. Under normal usage, the use of a vacuum chamber for degassing before pouring is not required (although always recommended if possible). It is ideal for use with urethane resins, plasters, and for low temperature metal casting (400 ^{0}F operating temperature with excursions to 500 ^{0}F). Ratio is 10:1, pot life is 1 1/2 hours De-mold and cured in 12 hours, Durometer, 16 shore A. Catalyst B is red to ensure adequate mixing is achieved.

Order Code	Size	Description
RTV-114018-2	4.77kg , 10.lb	General purpose silicone kit, includes catalyst

Rubber to Rubber Mold Release
Brush on Rubber to Rubber mold release between the first and second pours of silicone when making a two piece mold to ensure the two pours do not bond together. **Order Code: RR42402**

Stoner Mold Release Stoner Mold Release is used to prolong the life of your molds and to aid in the ease of releasing your cast urethane parts. Stoner was formulated specifically for urethanes and is the ideal choice when casting urethane into a urethane mold.
Order Code: SMR-12 12oz

RTV SILICONE RUBBER Extremely easy to use Quick set, general purpose silicone rubber with a medium hardness, very thin, vacuum not required for most molds. Great for simple 1 and 2 piece molds. 45A hardness. Open Time: 1 hr./Demold Time: 8 hrs.
Order Code: KIT-RTVQ 1LB
High strength HS-3 is very thin, easy to use rubber that cures to an extremely soft, flexible, tough silicone rubber. Most flexible (softest) silicone rubber, great tear strength.Perfect for making 1 piece molds with deep undercuts. 10A hardness
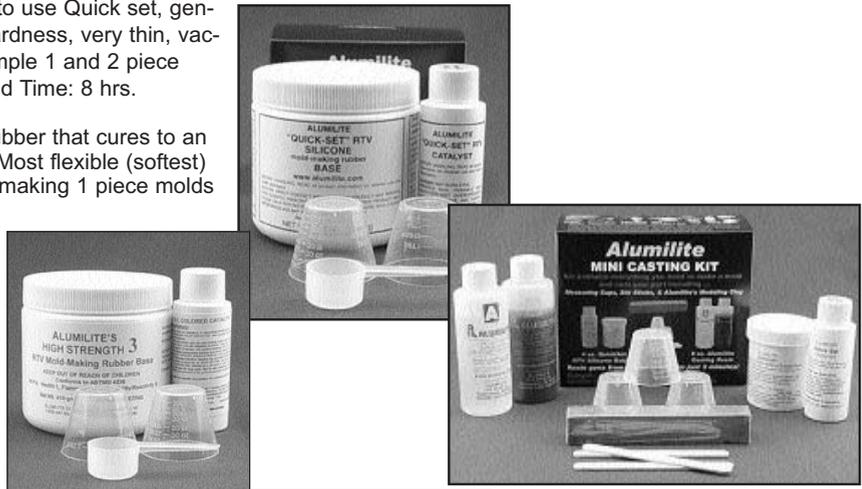Open Time: 2 hrs./Demold Time: 24 hrs
Order Code: KIT-RTVHS3 1LB

MINI CASTING KIT
Mini Casting Kit Includes: 8 oz. Kit Alumilite Regular, 1/4 lb. QuickSet RTV Silicone Rubber, 1/4 lb. Alumilite Synthetic Modeling Clay (Kleen Klay), 1 oz. Measuring Cups, Stir Sticks, and How-To Booklet.
Order Code: KIT-AMC

ALUMILITE MOLDING PUTTY 2 part equal mix, 3 min.work time. Demold in 15-17 minutes. Now you're ready to make reproductions. Yes it's that easy. FDA compliant (food friendly) mold putty is the best product for making quick simple flexible rubber molds for resin, plaster, polymer clay, wax, chocolate, soap, and much more.
Order Code:
KIT-MP 2/3rd lb Amazing mold Putty kit in retail packaging.
KIT-MP1 3 lb kit larger sizes available by special order

Casting & Molding

VINAMOLD MOLD-MAKING COMPOUND   Vinamold is a hot melt mold-making compound which is reusable. It is particularly suited to casting polyester resins, plasters and concrete. Urethane resins can only be used provided that the mold cavity is small and shallow. Vinamold does not require a release agent. The melting and pour temperature of this material is approximately 160 ^{0}C (350 ^{0}F). This rather high pour temperature does impose some limitations on the composition and design of the original or master: No thin plastic or KLEAN KLAY can be used. Metal, stone, and glass are excellent materials for masters because they are non-porous and can withstand the pour temperature of VINAMOLD. With a bit of experimentation, good results can also be obtained with a variety of other materials including wood, Milliput and plaster. Vinamold is available in soft, medium, and hard formulations: The harder formulations are better suited to heavier castings.   Alumilite can be used in very small shallow molds only.

IDEAL FOR :
*ALL INDUSTRIES

ADVANTAGES:
*REUSABLE
*EASY TO USE
*BAKE IN AN OVEN
*ECONOMICAL

APPLICATIONS:
*FIGURINES
*CONCRETE PANELS
*DECORATIVE MOLDINGS
*HOLIDAY DECORATIONS
*PICTURE FRAMES
*ROCK CLIMBING WALLS
*WAR GAMING
 and 1000s MORE
COLOURS/GRADES:
*Red - Soft
*White - Medium
*Yellow - Hard

Order Code	Size	Description
VM-1R	454gm , 1lb	Red Vinamold, soft
VM-11R	5kg , 11lb	Red Vinamold, soft
VM-55R	25kg , 55lb	Red Vinamold, soft
VM-1W	454gm , 1lb	White Vinamold, medium
VM-11W	5kg , 11lb	White Vinamold, medium
VM-55W	25kg , 55lb	White Vinamold, medium
VM-1Y	454gm , 1lb	Yellow Vinamold, hard
VM-11Y	5kg , 11lb	Yellow Vinamold, hard
VM-55Y	25kg , 55lb	Yellow Vinamold, hard
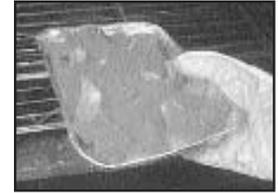
CASTING MATERIALS   Depending on the application, the selection of casting material varies. We offer a range of casting products to fit most projects, all of which are carefully selected to provide the best possible results. As with molding materials, each product has its own best area of application: This needs to be evaluated before determining which product to use.

ALUMILITE POLYURETHANE CASTING RESIN
Alumilite is the original polyurethane casting resin. Alumilite Regular provides users with an extremely tough, high temperature resistant, rigid urethane that is incredibly easy to use. It has a low visicosity (very thin), a 90 second pot life, and a 5-8 minute demold time. Can be dyed, painted, stained, tapped, drilled and machined easily. Use RTV molds.

Order Code:
KIT-AB 795 ml (28 fl. oz) Tan colour
KIT-AB2 2 gal (1gal each part) Tan colour
KIT-ABWT 795 ml (28 fl. oz) White colour
10 gal kits available by special order.

KIT-AB

KIT-ABWT

ALUMILITE WHITE
Alumilite White provides users with an extremely user friendly rigid urethane that has good overall physical properties, accurate reproduction of detail and a beautiful cosmetic white appearance. Thinnest of all resins, a 2.5min.pot life & a 5-15 min. demold time.

Simply mix equal amounts of both sides and pour into your mold. 10 minutes later remove a beautiful cast replica of your original.

AMAZING CASTING RESIN KIT
Same as above (white), but packaging and size directed at the craft market. Crafters choice of resin due to its ease of use, quick cure time, and accurate reproduction of detail.
Amazing Casting Resin Kit 16 oz. White color
Order Code: KIT-CR

ALUMILITE CLEAR

Alumilite Water Clear produces a high impact rigid clear casting that is commonly used for lenses, encapsulations, and water reproductions. Vacuum or pressure is recommended to achieve 100% bubble free castings. 5 minute pot life, 30-60 min. demold.
Order Code: KIT-CLR 16oz

CASTING RUBBER - FLEXIBLE

Flex 40 provides users with an extremely tough flexible urethane rubber excellent for duplicating/casting soft rubber parts or for making soft urethane rubber molds. It is extremely easy to use. The easy to use system does require vacuum or pressure to achieve perfectly bubble free castings. However, users can achieve very minimal air entrapment by simply mixing the A & B side together extremely slowly for 2 minutes. 5 min. pot life, 30-60min demold 40A hardness. Similar to a wine cork.

Order Code: KIT-FLEX40 28oz   Other flexibilities available see www.Alumilite.com

610 FOAM 610 Foam cures to a rigid, self skinning, light weight, durable foam. It expands up to 10 times it's original liquid volume and hardens up to a 6 lb. density without being packed.
Order Code: KIT-FM610 16oz Larger sizes available.

Magic Water™

Magic Water™ is the ideal solution to making realistic water dioramas. Anywhere you want there to appear to be water you can use Magic Water™. Ponds, Rivers, Lakes, Streams, Waterfalls, Swimming pools, Mudpuddles, Carwashes, Rapids, Swamps, horse troughs, bathtubs, ponds, drainage ditches etc. Whatever Magic Water™ adheres to will appear wet. It is also excellent for filling miniature vases, fish tanks, glasses etc.

Magic Water™ came about as the result of a long search for the ideal water modeling resin. One that would not yellow, shrink, crack or bubble when you put debris into it. Also one that was user friendly, not needing to be heated or layered and had ample working time before setting up.

Magic Water™ sets up in as little as 12 hours and not more than 24 depending on the atmospheric conditions.It comes complete with a multi page color booklet and instruction guide loaded with water modeling tips and techniques.
Order Code: MW-18 18oz   Also available 96oz by special order

CASTING PLASTERS   These casting plasters work well with either RTV silicone molds or VINAMOLD molds and are suited to larger scale reproductions. Two distinct types of casting plaster are offered: This is not plaster of paris.

FAST SET This is a pure white plaster with a working time of 5 to 10 minutes. Castings are hard but quite lightweight and easily sculpted when cured.

SLOW SET Hydrocal: This is a light grey plaster with a working time of 20 to 30 minutes. Castings are very hard (cement-like) and considerably heavier than FAST SET castings.

Order Code	Size	Description
CPV-1	1kg , 2lb	Fast set casting plaster -white
CPV-11	5kg , 11lb	Fast set casting plaster -white
CPV-2	1kg , 2lb	Slow set casting plaster -grey
CPV-22	5kg , 11lb	Slow set casting plaster -grey

Fossil made & designed by Dan Miller. The original made of Kleen Klay then molded in RTV , then cast with plaster and painted.
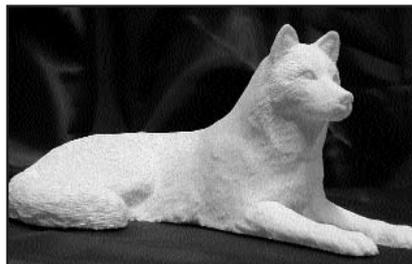
Wolf Original by Dan Miller cast in Alumilite

Diorama waterfall made with Magic Water

BULK FILLERS FOR URETHANE RESINS   Fillers work to extend the volume of urethane resins (ALUMILITE) and modify their properties. They can also be used with clear casting resin, but affect the clarity of the material. By adding fillers to casting resins up to 100% by volume, the cost of castings can be reduced. Any dry filler can be added. Note: moisture affects the texture.

ALUMINUM POWDER is a 200 mesh atomized powder used to add weight, increase heat resistance, and to eliminate shrinkage. It will turn the Alumilite casting gray. To bring the aluminum reflection out of the cast piece, simply sand the casting with a fine sandpaper. The atomized powder will increase the heat deflection temperature of your cast piece and is also great for making customvacuum molds. 200 Mesh Atomized Aluminum Powder 16 oz.

MICROBALLOONS   Microballoons are non-flammable, odorless, micron-sized glass bubbles which appear as a lightweight white powder. Castings with microballoons added are lighter (buoyant) than pure resin castings and do not affect surface detail. Measure equal amounts of microballoons (up to 100%) for each side of resin (A&B) ,add the filler to both sides of resin before mixing the 2 sides of resin together.

PORCELAIN POWDER   Porcelain Powder is used with Alumilite White Casting Resin to achieve cold cast porcelain. It gives the user the look, feel, and texture of a porcelain casting. Use the Porcelain in conjunction with the flesh tone dyes to duplicate one of a kind dolls and sculptures. 16oz

Order Code	Size	Description
KIT-ALU	16oz	Aluminum powder
KIT-MB	32oz	Microballoons
KIT-PORC	16oz	Porcelain powder
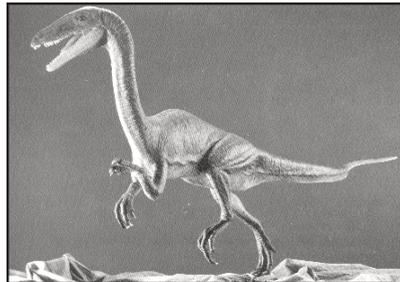
Safety precautions should be taken when handling fillers. (ie: mask & gloves)

Using a filler such as Microballoons can be more cost effective than using just resin alone, and larger castings will weigh much less.

DECORATIVE FILLERS, DYES & MEASURING

Alumilite Metallic Powders provide an alternative to expensive metal castings. By brushing your mold with the metallic powder then casting with Alumilite or POR-A-KAST urethane resin, the metallic powder chemically bonds to the casting while curing. The final product takes on the appearance and feel of a finely crafted metallic casting that paint can not duplicate. Apply with a fine bristled brush or Q-tip. Brush on a thin coat, tap out excess onto paper then funnel back in to the original container. A little goes a long way. Mix resin and pour into the mold.   Size: 1oz jar

| Order Code	Size	Description
ABRZ-01	1oz	Bronze metallic powder
ACOP-02	1oz	Copper metallic powder
AGUN-03	1oz	Gun metalmetallic powder
ASLV-04	1oz	Silver metallic powder
AGLD-05	1oz	Gold metallic powder
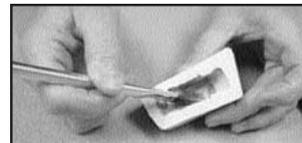
Alumilite Dyes Use Alumilite dyes to colour your urethane casting resin. They can also be used in water clear casting resin to make translucent coloured castings. The dyes are added to the "A" side by weight up to 5%. Use the flesh tones according to your preference of shade (flesh tones are typically used in white Alumilite for best colour results)
Sizes available: 1oz & 6oz   larger sizes available by special order.

Order Code	Size
KIT-DYE1( )	1oz
KIT-DYE6 ( )	6oz

COLOUR CODES: Use the bold letters to fill in brackets
BLACK - **BK**   GREEN-**GR**   YELLOW- **YL**
RED - **RD**   BLUE - **BL**   BROWN - **BR**
ORANGE - **OR**   CAUCASIAN -**CA**   AFRICAN AMERICAN-**AF**

CAUCASIAN   5%

NATIVE AMERICAN   5%

AFRICAN AMERICAN   5%
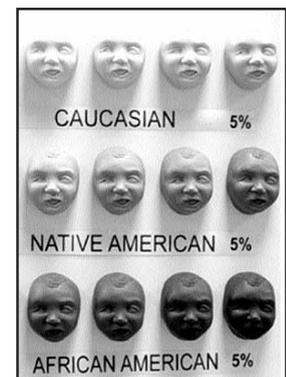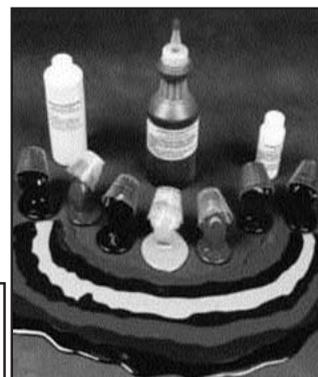
Measuring cups - Clear Polyethylene 30ml (1oz) graduated measuring cups: indispensable when producing small castings with urethane resins. 20 cups per package. **Order Code: CUP-1**

Casting & Molding

MBS
MODEL BUILDERS SUPPLY

BASICS OF MOLDING & CASTING

MAKING A ONE PIECE MOLD

1. Determine what you are going to make a mold of. Remember, the mold will pick up every detail.

2. Lightly fasten the flat side of the original to a piece of plastic using CA glue or STICKM. This will prevent the piece from floating after you pour the RTV. The flat side will give your mold a nice opening to pour in the casting resin when you are casting.

3. Make a mold box using plastic, Lego, metal, PVC, even a plastic cup will do. Leave .25" - .375" between mold box and original. Seal the box/cylinder with Klean Klay to prevent RTV from leaking out.

4. Mix RTV according to instructions. Pour RTV slowly, allowing it to build up around the original, not on top of it.

5. Let the RTV cure (typically overnight) then remove from the mold box. Rubbing alcohol helps by releasing the surface tension and making the mold slippery. Use a dull knife or spatula to remove the mold.

6. Once the mold has been removed from the mold box, flex the mold and remove your original. You may need to slit the side of the mold with a sharp Xacto knife to release the original (being careful not to harm your original). When casting, line up the slit and put an elastic band around the mold to hold it together before pouring the resin.

**For a more in depth process of making a 2 part mold check out these web sites
www.modelbuilderssupply.com - www.alumilite.com

CASTING

Before mixing the resin, preheat your mold to ensure proper curing of the resin casting. Place the mold in a microwave for a minute on high or place it in a conventional over for 30 minutes at 150F. The other helpful hint in making flawless castings is to powder the inside of your mold with baby powder. The baby powder will release the surface tension and decrease the chance that air bubbles will get trapped. Prior to casting, make sure you blow or knock out ALL excess powder from the mold.

1. Measure the resin according to their package instructions. Mix resins thoroughly, scraping sides and bottom. Use plastic or paper cups for mixing (not syrofoam).

2. Now slowly pour the resin into your warm mold by tilting it and letting the resin flow down the sides of the mold. Squeeze and tap the mold to assist any unwilling air bubbles to release from the sides of the mold and to help them float to the surface.

3. The open time for most Alumilite resins is 90 seconds. the colour change is at the end of the open time. The finished colour of Alumilite regular is tan and Por-A-Kast is off white. Dyes are available for colouring the resin.

4. Once the resin has hardened (approx. 5 min.), flex the mold (or remove elastic bands) and remove your perfectly cast piece. It is now ready to be sanded, painted, tapped, machined etc.

CALCULATING PRODUCT USAGE

Amount of RTV needed for making a mold:
Note: There are 21 grams per cubic inch of silicone rubber. There are 453 grams in 1 lb
Formula for a square/rectangular mold: Length x Width x Height

Example: You have a mold box that is 9"x4"x2"= 72 cubic inches. Now using the same formula, subtract the cubic inches of your original part. Example: Your part is 8"x3.5"x1.5"= 42 cubic inches. 72 - 42 = 30 cubic inches.
30 cubic in. x 21 grams/cu in = 630 grams of RTV needed.
Now to calculate that into lbs take 630 divided by 453 grams/lb = 1.39 lbs of RTV

Amount of resin needed to cast a part:
Note: There are .554 ounces in 1 cubic inch of resin. Formula for a square/rectangular piece: Length x Width x Height
Example: If your piece is 3"x4"x2" = 24 cubic inches. Take 24 cu in x .554 = 13.25 ounces.

Volume displacement:
Example: You have a mold that is an odd shape, therefore is not easily estimated to use one of the above formulas. You can simply, pour water into the mold until it is completely full. Then, pour the water out into a container with volumetric measurements on it to see how many ounces you will need. NOTE: It is **very important** to make sure your mold is completely DRY before casting your part. Water/moisture will contaminate your resin casting.

ZONA HAND SAWS   For hand cutting of wood, plastic, and soft metal profiles, nothing beats ZONA saws. All have a comfortable hardwood handle. A range of saws are offered to match varying job requirements. **All saws are sold individually in blister packs.**

ULTRA-THIN RAZOR SAWS   These are the thinnest razor saws available with blades only .008" thick. Ideal for super fine cuts in wood, soft metals and plastic without causing splitting or ragged edges. Shorter cutting depth with steel back for greater blade stability. Blades are 115mm (4 1/2") long and 12.5mm (1/2") deep. Two saws are available, with either 42 teeth per inch (Z150) or 32 teeth per inch (Z200). Both saws cut on pull stroke.

Order Code: Z150 (42 teeth per inch)   **Z200** (32 teeth per inch)

UNIVERSAL FINE KERF SAW   A fine kerf (.010" thick) all purpose saw for modelling and woodworking. It cuts basswood, balsa and other wood, plastic, copper and brass leaving smooth edges. The blade depth is suitable for cutting most shapes and thicknesses. Blade is 165mm (6 1/2") long, 30mm (1 3/16") deep, with 32 teeth per inch. Cuts on pull stroke.

Order Code: Z500

WOODCRAFT MEDIUM KERF SAW   This medium kerf (.015") saw is excellent for cutting hard and soft woods. Perfect for making picture frames, shadow boxes, doll house parts and fine dovetails in cabinetry. Blade is 165mm (6 1/2") long, 22mm (7/8") deep, with 24 teeth per inch. Cuts on pull stroke.

Order Code: Z300

SABRE SAW   The .022" thick and 115mm (4 1/2") long blade is ideal for large inside cuts and for cutting through thick material including styrofoam. Also included are two keyhole sabre blades 57mm (2 1/4") long with 24 teeth per inch, one which cuts on pull stroke, one which cuts on push stroke. Interchangeable blades attach with wing nut and screw.

Order Code: Z450

3-IN-1 SAW SET Versatile set with razor saw, medium kerf saw, and keyhole sabre saw. Blades attach with wing nuts and screw. Razor saw blade is 115mm (4 1/2") long, 12.5mm (1/2") deep, with 32 teeth per inch. Medium kerf blade is 115mm (4 1/2") long, 22mm (7/8") deep, with 24 teeth per inch. Keyhole sabre is 57mm (2 1/4") long with 24 teeth per inch.

Order Code: Z100   **Replacement blades**
Order Code: **Z119B** 32TPI razor saw (1/pk)
Order Code: Z129B 24TPI razor saw (1/pk)
Order Code: Z408B 24TPI keyhole saber (3/pk)

RAZOR SAW AND MINI MITER BOX SET   This combination consists of the plastic MINI MITER BOX and a 32 tooth per inch ultra thin kerf (.008") razor saw. Cuts accurate square ends, splices, and mitered corners in wood or metal strips, dowels or rods.
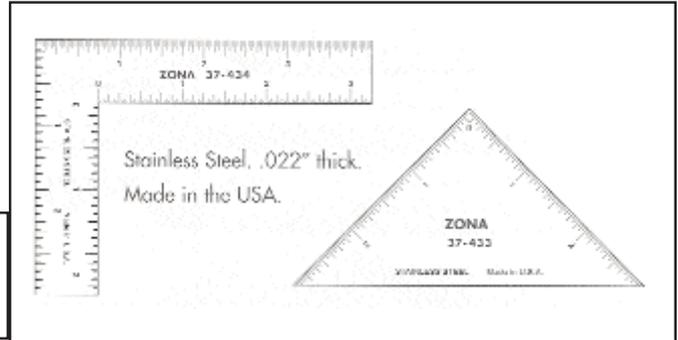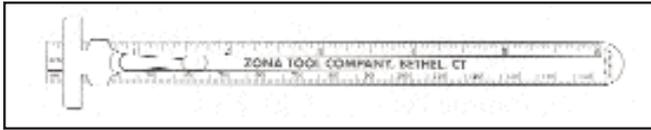
Order Code: Z251

MITER BOX   A one piece extruded aluminum mitre box provides durability and precision for accurate cuts. Slotted sides for cutting molding, plastic sections and model parts accurately. Grooved base holds plastic, wood, or other mateirals in place when sawing. Maximum material size is 44mm wide by 18mm deep (1 3/4" x 3/4"). Use with razor saws 300, 500 & 600 **Sold individually.**
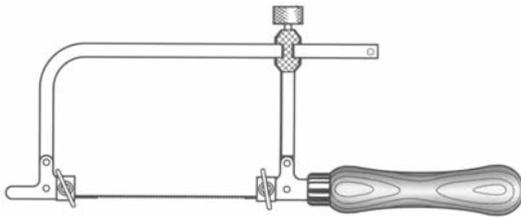
Order Code: Z260

MBS MODEL BUILDERS SUPPLY
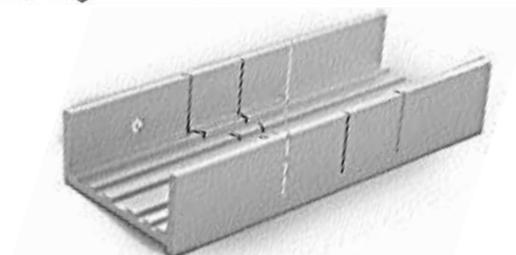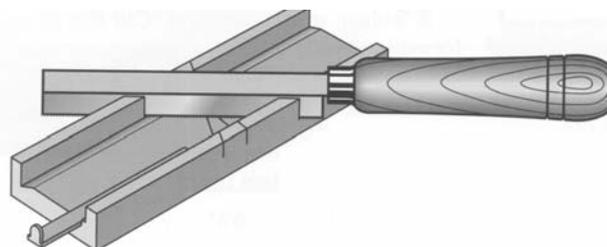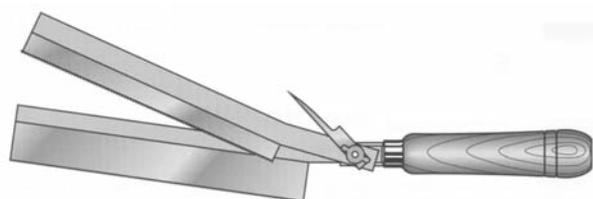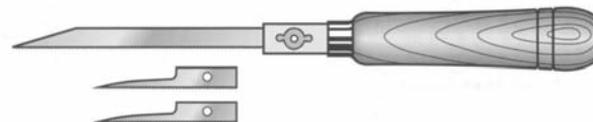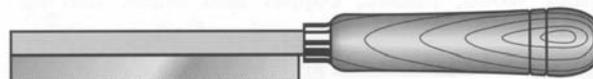
MEASURING TOOLS   Stainless steel rulers
L-square 3"x4"   **Order Code:** Z434
Triangle 3"   **Order Code:** Z433
Pocket ruler 6" in 3/32" intervals . 1/2" wide has sliding clip
& decimal equivalents on the back. **Order Code:** Z484

Stainless Steel, .022" thick.
Made in the USA.

ZONA 37-434

ZONA 37-433

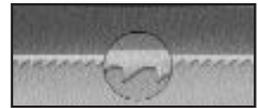ZONA 100 COMPANY, BETHEL CT

COPING SAW   Accepts standard scroll, fret or jewellers saw
blades of any size. **Sold individually.**
Order Code: Z750

COPING SAW   BLADES
For quick, intricate cutting such as fine
scroll, piercing or veneer work.
Blades fit coping saw Z750 **Four
blades per package.**

.125" x. 020" x15 tpi General purpose blades

Order Code: Z678

KNIFE HANDLES AND BLADES   Knives are the most frequently used tools for the model-maker and miniaturist. Quality knife handles
and a good supply of razor sharp blades are an indispensable part of your toolkit.

ZONA

NO. 1 KNIFE › LIGHT DUTY A slender 124mm (4 7/8") soft
grip handle with a No. 11 blade for delicate precision cutting of light-
weight materials like paper, plastic, balsa, basswood, thin metal,
cloth, film, and acetate. **Sold individually.**
Order Code: Z910

NO. 11 BLADE   Sharp angle for
cutting, trimming and stripping. Fits
No. 1handle. Available in packages
of 5 blades or in a pack package of
100 blades.
Order Code: Z921 (5 blades) **Z929** (100 blade dispenser)

SOLVENT SYRINGES   High impact polyethylene barrel with
blunt needle. Resistant to acids, alkalis and solvents. Needle cap
included. **Note:** dip black plunger in solvent before inserting into
syringe, for a smooth gliding action. Not recommended for PPC-
2oz or any viscous or bodied cement.

Order Code	Size	Pkg/
SS-3	3cc	2
SS-10	10cc	1
SS-20	20cc	1
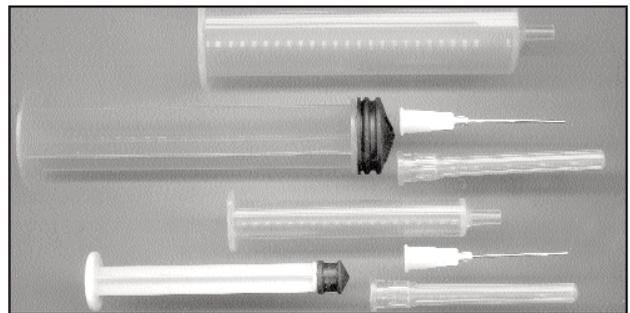
TWEEZER SET

5 pc set of quality tweezers
include: Fine point, flat blade,
slide locking, curved point &
cross locking. Avg. length 4 1/2"
Comes in heavy duty reusable
case.
Order Code: Z7540

SWIVEL HEAD PIN VISE
Comes with 2 double ended
collets in the handle with 0" to
.125" capacity range. Holds
small tools with round shanks,
ie: drills, burs, scribers etc.
Revolving head makes drilling
fast.
Order Code: Z7140

How To tips & hints

In this section we will provide information which will help you work with the products which we manufacture and distribute. Most of the information will be targeted at basic level technique from which more advanced technique and skill can readily develop.
· Finishing Plastic Patterned Sheets
· Painting Clear Bathroom Fixtures (reverse finishing)
· Working with Landscaping Materials
· Model Making
· Selecting the right scale for your project
· Plastic Construction Basics
· Molding & Casting

Painting Patterned sheets

READ ALL INSTRUCTIONS FIRST, then go back and pick the right technique for your application.
It is recommended (in most cases) that MBS plastic patterned sheets be painted prior to cutting and installation. This allows much greater freedom during the painting process and more uniform appearance of the finished material. Following installation, a few touch-ups along joints and edges may be required.
Paint used should be flat acrylic and thinned with water. If applying a solid colour to change the underlying plastic colour, a fairly small amount of thinning is required if any. At the other extreme, a faint finishing wash requires a very watery mix (1:1). The thinner the paint mix, the more the underlying colours will show through, adding depth and realism. Experiment on the backside of the sheet to get consistency of paint and to achieve the kind of finish you desire.

ROOFING:

PAINTING:
(Instructions for RS, RTI, SLT, SRT & RCT codes)
Paint the sheet a solid colour or leave it its original colour. Let dry. Randomly paint shingles with a deeper tone of the underlying colour, Let dry. Choose 1 or 2 accent speckling colours and follow instructions for SPECKLING. You will probably skip the speckling step for tile roofs SRT & RCT.
(Instructions for wood shake, WSRS codes)
Paint the sheet a light wood colour and choose 2 darker accent colours and water them down slightly.
Using a dry flat bristle brush (1/2") dip into the lighter of the 2 accent colours and dab excess paint onto a paper towel, then brush upwards on the shingles creating a wood grain weathered look. Repeat with next colour. Use the Tinting method for further effects.

BRICK, BLOCK or STONE:

PAINTING:
Randomly paint bricks or stones (2-3 complementary colours of flat acrylic paint), with a #4 flat paint brush, leaving about half unpainted. Depending on the desired finish, this step can be done before or after grouting.
GROUTING:
Make a thin paint wash for grout colour (1:1 paint & water) and apply with a 2 or 3" foam brush, making sure paint goes into all grout lines. Leave for approx. 3 minutes then remove excess paint by dragging a ruler wrapped in paper towel across the surface (for heavily textured patterns don't use the ruler). Tear off the wet piece of towel to expose a fresh side and continue until desired effect is achieved. OR
For very realistic mortar effects spread Surpatch Spackling compound (mix with paint for coloured grout) on the sheet with a dense sponge or your fingers, getting in all the grout lines, then wipe off excess with slightly damp rag or paper towel. Leaving some residue actually gives a realistic aged effect. Depending on the desired finish, these steps can be done before or after painting, or as the only step.
*SPECKLING & TEXTURING:*
Speckling adds a further texturing dimension and is typically used on roof shingles and stone based patterns to give an aggregate look. It can also mute any overpowering colours. Use spray paint (greys & black work well), lay the sheet flat and spray a light dusting from 16-20" away, spray back and forth over sheet in a constant slow movement until desired effect is achieved, (use in a well ventilated area).
Without spraying, dip a toothbrush in paint and flick your thumb across the bristles aiming at the sheet.
Texturing can add depth and realism to stone work.
Dip a sponge in a complimentary colour and dab on paper towel to remove excess paint. Lightly pat the sponge on the stones until you like what you see, let dry, then repeat with another colour, if desired.
TINTING: You may want to apply a very thin wash of paint with a foam brush over the entire sheet to give it an aged look. Greys will lighten slightly, where as brown tones will give a rustic look. To achieve an all over transparent brown tint, take a small amount of burnt umber paint on a damp rag and rub onto the dry painted sheet a little section at a time.

How To
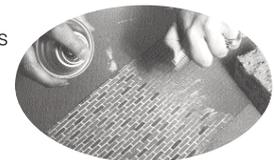
TILE

PAINTING:
(Instructions for SQ-__clear codes)
Clear Tile, Reverse Painting, is a great way to get custom results with a scratch resistant finish. All the painting is done on the side that faces down, when glued. Paint in layers starting with the accent colour or pattern you want to see as the top of the tile. Let dry, then paint the backing colour. IE; if you want pink & white flowers with a burgundy background, paint all the flowers first in layers, let dry, then paint over the flowers with the burgundy. This method can also be used on MBS clear bathroom tubs, sinks, hot tubs, toilets etc.
Marbling: Choose 3 complimentary colours and sponge on in layers one colour at a time, usually with the darkest colour going last. (A sea sponge works great for this).
Masking: Mask the row or individual tiles with masking tape securely. Now spray or brush on your main colour and let that dry. Carefully peel off the tape and you will be left with a clear section. If you want a multi-coloured border you can do more masking at this point. Brush or spray the clear area, don't worry about staying in the lines, you won't see anything but the masked area on the other side. Now repeat for additional colours.
(Instructions for SQ-__red codes)
Terra Cotta: Choose a grouting method and do this before or after painting. Cut a dense sponge to match square tile size (1", ¾" etc.), choose 2 accent colours (ie: deeper rust, mustard, brown etc.) slightly watered. Now dip square sponge in paint and dab on each tile, and then repeat with the second colour while first colour is slightly wet.
(Instructions for SQ-__ any colour)
Granite Fleck Tile: Paint entire sheet first or leave in natural state, then do grouting. Now choose a colour for speckling and follow Speckling instructions.
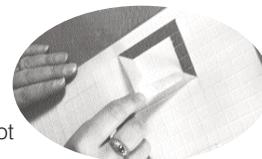
GENERAL

CUTTING: Using a sharp Xacto knife, make one firm cut on the top side (don't go right through) and the sheet will always break precisely along the incision whether straight or curved.
For sheet to sheet matching, carefully knife around bricks or stones etc. so matching is made less obvious.
BENDING: To fold around corners, use a straight piece of wood or a table edge to make a fold in the sheet. Squeeze gently up & down until the desired angle is achieved. Warming the area of the fold with a hair dryer can help. Glue in place.
GLUEING: For deep patterns and corner glueing, use MBS GLOOP or silicon adhesive, spread evenly and fully to edges, press sheet into place, clamp if necessary. For flat sheets, use MBS STICK'M adhesive sheets, GLOOP or WELDBOND adhesive.

TIPS:
*If you don't like what you've done, let it dry then sand off the uppermost features of the sheet and start over.
*Try using Fleck Speckle paint for a really rough finish.
*Use cut outs from your wallpaper, facing out through the clear tile. Glue with Weldbond| it dries clear facing out through the tile.
*If paint is too dark dab it with a paper towel while it's still wet.
*Too much for you? Pre-finished painted sheets are available in 1:12 & 1:24 scales.

Your imagination is your best tool, experiment & have fun.
MBS manufactures over 200 different designs, colours & scales of 3D plastic patterned sheets.

Painting instructions for clear fixtures (tubs, sinks, toilets etc.)

Get a Designer look!!
Use acrylic paint - flat or glossy, it will always show through as glossy, with a scratch resistant finish. Brush or spray paint on the under side (reverse), brush strokes won't show on the good side. To make designs : (flowers, checkers, speckles etc.),
1. Paint design in layers (ie: center of flower, then petals), let it dry,
2. Paint the solid colour over the design, all on the reverse side.
3. To glue fixture in place: use Silicone adhesive, Weldbond or a glue that won't attack the paint.
4. For a realistic drain use a CIRKIT eyelet or dab gold or silver paint in drain spot.
5. Now finish off by adding MBS faucets.
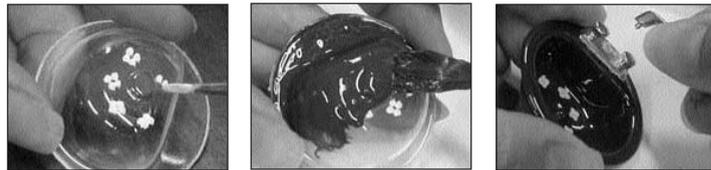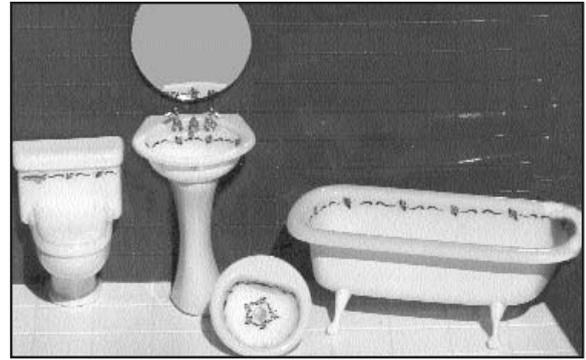
For Hot Tubs: Try using the spray on Fleck stone paint (also painting on the reverse side of tub) it shows through as the common real life hot tubs with the flecks being of realistic size & texture. You will probably need two coats, as it dries a little pitted. You can also paint a solid paint colour over your first Fleck coat once it is completely dry. The Fleck paint takes longer to dry than regular acrylics.

## Make a Basic Shell & Tub Surround

As you probably know by now, plastic is very easy to work with. The best material to make the base from is styrene. Start by getting the real measurements and scale down to size. We'll make a 48" wide vanity in 1:12 scale to illustrate. A typical size would be 30"hx20"d with a 2" overhang at the front. Make sure you allow for the thickness of the material when sizing. You'll need an Xacto knife, steel ruler, solvent cement, brush and a square.
CABINET: Cut the bottom pieces (2 sides 1 front 1 back) out of .060" (1/16") styrene, just one scribe line on the surface and it will break along that line. Align 2 side pieces to make an "L" and apply a small amount of solvent with a paint brush to the inside of seam, letting it drip down the seam line (make sure the front and back panels cover the edges of the sides). Leave for 5 minutes before proceeding. Cut out door fronts and line up on front of cabinet then apply solvent cement.
TOP: Cut the top out of .040" styrene. If you want to put a tile top on you can cut the holes for the sink now at the same time as the styrene top. The sink holes don't have to be perfect, as long as the sink fits, the sink ridge will cover the cut line. Glue the styrene top on the base with solvent, lining up back & sides, leave the overhang at the front. Now you can paint the base, the tile top see (painting patterned sheets) and the sink if required, see (painting instructions for clear fixtures)
Once everything is dry, you can put the top on using STICK'M adhesive sheets. Put the faucets on the sink with CA glue then apply a small amount of silicone adhesive or a tacky glue (that won't attack the paint) to the underside of the sink and drop into place.
Same methods apply to kitchen cabinets, Bath/Hot tub surrounds, Step up tubs, patio settings etc.
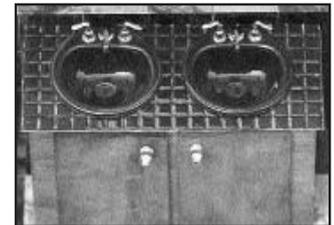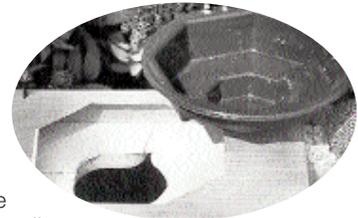
Stained Glass Plastic Panel Painting

Using Model Builders Supply stained glass window panels allows you to cut these plastic panels to size and fit into window/door frames or use them in front of an existing window hanging in a frame.
Easy to use:
Fill in the grooved side of the lines (for led) with a permanent fine tip marker by following grooves like a track. Flip the panel over and colour the other side in with transparent (or opaque) paints or permanent markers. Now cut to size using a craft knife or scissors and secure in an opening or picture frame. Experiment with your colours on an extra side piece of the panel.
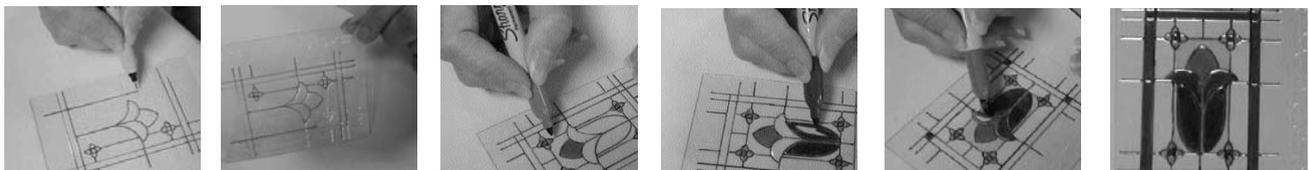
Working with MBS landscaping materials

In scale modeling of dioramas , model railroad layouts, architectural models, gaming boards and even dollhouse miniatures, the way scenery and landscaping is done can "make or break" the whole finished effect. The type of model, or its use, often dictate quite varied approaches. For example: an architectural model for institutional, commercial or industrial projects will usually not dwell on landscaping features, but rather focus more on the building design, with some focus on entrances, access routes or other aspects specific to the function of the building or complex.

Residential buildings and complexes on the other hand, invariably place a significant emphasis on the landscaping and environmental conditions around the site. This is especially true if the model is to serve as a promotional and marketing tool for selling, leasing, renting or financing.

There are as many techniques as there are people applying them, so we will just pass on a number of tips and methods that are in general use, then you can adapt and apply them to your particular project for the effect you want to achieve.

Grasses, ground cover & bushes: For a one step process use watered down GLOOP(tint with acrylic paint) or, paint the area to be landscaped with a similar colour as the foliage or choose a earthcolour paint, and allow to dry.

Apply by brush, watered down GLOOP or Weldbond adhesive, then sprinkle on the grass/groundcover and pat lightly onto the surface, shake off excess to be re-used.

For large bushes, apply a generous amount of GLOOP or silicone adhesive on the area and put foliage in place. To build up layers, brush Weldbond , GLOOP or silicon on existing foliage and between layers of foliage until desired height is achieved.

To glue pre-made bushes and hedges down, use GLOOP or silicone adhesive.

Gravels: to glue gravel, apply a generous amount of Weldbond or GLOOP on the area to be covered and add gravel, patting lightly into place.

Making Realistic Trees

To create different species, we suggest clipping and twisting branches on the armature, the tree armature can also be painted for different types (ie white for birch etc.). Once the shape has been created, coat branches with GLOOP (tint with acrylic paint) a couple of branches at a time. Apply MBS foliage (different colours and textures can also determine different species) a little at a time until desired look is achieved.

MBS also makes pre-made trees for those of you with limited time.

For choosing the right size tree for your model check out the Tree Chart at the end of the landscape section of this catalogue.
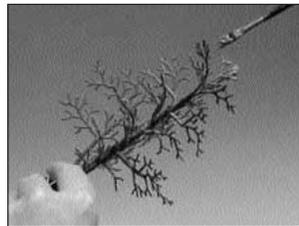
Model Making

In 1957 model building in Canada was rather crude, with architectural models made mostly from card and balsa wood. Engineering models were built from wire, discs, turned wood, cardboard tubes and strip wood structures. Plastics were only just emerging. Keith Day (Founder of Model Builders Supply) was a pioneer in evolving and developing the sophisticated methods and techniques that today are widely adopted. Scale models are still the most effective and instant way of communicating a concept, in spite of the advances in computerization. In engineering process design, it is almost unheard of not to construct a physical three dimensional model of any consequential project. The model naturally becomes the focal meeting and proving point for the design of all disciplines, within the constraints of priority for space, accessibility, construction sequencing and function. In this context the esthetics are a minimal consideration, but accuracy is paramount. In architecture, the considerations are much more concerned with form and esthetics as well as function. Therefore, in many aspects of architectural model making, surface texture and colour also play an important role. Models are used for many reasons in many industries for:

Architectural, Engineering, Interior design layout, Displays & Prototypes, Forensic, Special Effects for Film & TV, Medical models etc.

Selecting the right scale to work in

In projects such as these being discussed, it is preferable that plans, sections and elevations be drawn at the same scale as the intended model. It is not mandatory, but it makes understanding the model implications and interpretation easier.

What scale? Your project may well have this pre-specified, but the following are the most commonly used scales for particular types of projects.

As there is no universal agreement on the use between imperial or metric measurement, we will quote both, using the closest comparisons. An example would be 1:50 or ¼"=1 foot (which is of course 1:48).

While you will build specifically to one or other in terms of building dimensions, there are many pre-manufactured parts, materials, supplies and accessories, such as those manufactured by MBS (Model Builders Supply) that you may employ for your model, where the difference between the Imperial and metric scales is so small that no distinction is made. Examples would be, brick stone, people vehicles, furniture and scenic accessories.

It is very common when first making a model to over visualize the correct size for brick, roof, windows etc. It is important that you use the proper scale items because they are important to the viewer's correct comprehension for the scale of the project.

That is often why people and cars are put on models, to reinforce the scale relationship, as well as to focus on entrances, activity areas and traffic patterns.

RESIDENTIAL SINGLE FAMILY BUILDINGS

The most widely used scale is 1:50 (¼"=1' or 1:48) because it is large enough to portray the detail aspects without the entire mass becoming overwhelming and physically unmanageable. In model making, there are probably more standard items at this scale than any other. If your project were to include any extent of exterior landscaping you may need to drop the scale to 1:100 (1/8"=1') in order to keep the base size manageable, 2'x3' is about as big as you would want a base size. There are also many "off the shelf" items for this scale, but not as many interior items, if that was a consideration. Where interior detailing is a requirement 1:24 (1/2"=1') scale is the most widely used. Where interior decorating is the specific requirement and style as well as texture and spatial arrangement are important, you may choose to go with 1:12 (1"=1'), which is the universal scale for dollhouse and miniaturists. Just about anything is available. The obvious drawback of this scale is cost due to the size.

COMMERCIAL / INDUSTRIAL BUILDINGS

Scales of this type of projects are usually somewhat smaller than for house models, mainly because the structures involved are usually much more expensive in plan and general mass. It is rare for models in this category to be larger then 1:100 (1/8"=1'). The most popular scales are 1:200 (1/16"=1') followed by 1"=20' and 1"=30' where imperial scales predominate.

SITE PLANNING & OVERALL DEVELOPMENT or REDEVELOPMENTS

As these models cover large areas and are usually built to show the relationship of building masses and road pattern, the scales are much smaller. The most commonly used scales are 1:500 or in imperial 1"=40' or 50'. On very extensive projects the scales may drop to 1:1000 or 1"=100'. Buildings are normally shown in overall block mass form with no detailing or colouring. Trees and landscaping features are often shown relatively stylized. Vehicles are used to show traffic flow and parking situations as well as identifying a scale relationship.

LANDSCAPE ARCHITECTURE MODELS

Often landscaping design is included in an overall model. However, landscape architecture being an identifiable discipline itself, will frequently require the designer to construct a specific model. The scales can be quite varied. For a median residential project it is quite conceivable that 1"=1' may be used. As the overall size expands it can drop to a scale as small as 1:200 (1/16"=1').

INTERIORS / THEATRICAL SETS / SECTIONAL STUDIES

These models focus on a series of detail elements within a larger structure, about which we are not concerned. As we are dealing with wall coverings, floors, furnishings, plants and specialty design items composed into a design entity, it demands a size large enough to clearly convey the message. There are many pre-manufactured components at 1:24 (1/2"=1') which is probably the most widely used for these functions.

HOBBY MODELING

In hobby modeling there are numerous scales that are common for many applications such as aircraft and ship modeling, 1/72 and 1/144 being typical. Military modelers commonly use 1:35. Model railroaders use a host of scales that are primarily predicated on the gauge of the track. The best known are HO (1:87), N (1:160) and O (1:48). Static car models come in numerous scales, 1:32, 1:24 and 1:16 being most popular. War gaming uses yet another designation for its scales; these are termed 27mm or 54mm etc. In many cases the scales have been determined by manufacturers to assure matching of their products.

Do not use a scale that is smaller than that which is most suitable for the project in order to save materials expense. It's better to maintain the preferred scale and tailor the budget to suit.