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Alphabetical listing of products

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ENGINEERING/STRUCTURAL: handrails, ladders, stair rails, beams, pipe, angles, figures, Plastruct shapes, micro strips, rods.

SECTION 2

ENGINEERING/FITTINGS: vessel heads, cones, tube, elbows, tees, reducers, hinge sleeves, pumps & motors.

SECTION 3

STRUCTURAL DETAILS: fences, trusses, railings, lattice, windows, doors, stained glass, treadplate, skylights.

SECTION 4

PATTERNED & PLAIN FINISHING SHEETS: styrene, co-polyester plastic patterned sheets, pre-finished sheets, paper patterned sheets, marble tile, marble sheet, laminate wood flooring, carpet.
Counter top Merchandisers for retail stores.

SECTION 5

LANDSCAPING MATERIALS: trees, hedges, ponds, pools, pre-made trees, tree armatures, palm trees, foliage, hedges, gardens, blossoms, gravels, mulch.

Photo Gallery

A selection of our products on scale models.

SECTION 6

EXTERIOR FURNISHINGS: fountains, patio sets, benches, pots, playground equipment.

SECTION 7

INTERIOR LAYOUT: furniture, office equipment, appliances, bathrooms, kitchen cabinets, faucets, hot tub.

SECTION 8

ARCHITECTURAL ACCESSORIES: people, animals, vehicles, boats, planes, houses, street fixtures, oil towers.

SECTION 9

MISCELLANEOUS: fibre optics, brass hinges, screws, clasps, plastic letters.

SECTION 10

ADHESIVES: glues, adhesive sheets, solvents, spackle.

SECTION 11

CASTING & MOLDING: Milliput, RTV, Alumilite, Vinamold, plasters, clear casting resins, fillers, dyes.

SECTION 12

TOOLS: hand tools, Zona hand saws, knives, saw blades, rulers, solvent syringes, tweezers.

SECTION 13

HOW TO: tips & instructions on painting, cutting, model making, landscaping, selecting the right scale, conversion chart.

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### 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 #).

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Pkg. Code</th>
<th>Height “H” in mm</th>
<th>Width “W” in mm</th>
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</table>

### LADDERS
Suitable for use on industrial structures or wherever ladders are required. Items are molded in dark grey ABS except 90681 and 90672 (LS-4) which are molded in white styrene. Use in combination with LADDER CLIPS (clear) and SUPPORT FLANGES (medium grey).

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<th>Pkg. Code</th>
<th>Height “H” in mm</th>
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### LADDER CLIPS CLEAR

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### SUPPORT FLANGES > MED.GREY

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### 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.

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### 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.

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### LADDER CLIPS CLEAR

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### STAIR RAILS
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### STAIRS
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# Engineering/Structural Shapes

**ORIGINAL (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.

## Dimensions

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MORE STRUCTURAL SHAPES

Shapes like Zees and U-channels are only available in the Fineline styrene line. 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.

### MORE STRUCTURAL SHAPES

**Shapes like Zees and U-channels are only available in the Fineline styrene line. 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.**

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### Clear Acrylic Square Tub

**Shapes like Zees and U-channels are only available in the Fineline styrene line. 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.**

### Rectangular Tubing

**Shapes like Zees and U-channels are only available in the Fineline styrene line. 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.**
**ABS COLUMN BLOCKS**

Use to quickly and effectively mount vertical 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.

**ABS COLUMN BASE MOUNTS**

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

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<td>BM-20P</td>
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**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

**RECTANGULAR ABS TUBE & ELBOWS**

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: ET-26 (green)**

ET-26C (clear)
### WHITE BUTYRATE & FINELINE STYRENE

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### COLOURED BUTYRATE TUBING > 750MM/30 LONG (SOLD INDIVIDUAL)

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

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### HALF-ROUND TUBING > 375MM/15 LONG (SOLD IN PACKAGES) GREY

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### BRASS INSERT STIFFENING

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**PLEASE NOTE:** When ordering the COLOURED BUTYRATE TUBING, 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

**NOTE:** Designed for insertion into TB-3 & TB-4 P-( )-3 & P-( )-4 Butyrate tubing to add stiffness and allow bending to any configuration.
### SOLID STYRENE ROUND ROD, 250 mm /10

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### SOLID STYRENE HALF-ROUND ROD, 250 mm /10

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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.
**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 cornice. All microstrip is **WHITE STYRENE** to complement the FINELINE series of structural profiles. Sold in packages only.

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(sold in pack)

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### FINELINE STYRENE STRIP STOCK, 600mm/24  
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VESEL 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.

### HEMISPHERICAL VESSEL HEADS

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### ELLIPTICAL VESSEL HEADS

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### DISHED VESSEL HEADS

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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)

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</table>

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.

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.

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<td>VT-225</td>
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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.
TIP: Hinge sleeves, when glued back to back or to another surface, work as hinges when fitted over corresponding tubing.

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

### FLANGED & FLAT CAP HEADS

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### 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 anchor component. The tubing size and support flange which fits each support is indicated. Items are molded in grey butyrate. Package quantities are listed below, to the right of the order code.

### 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.

### MANHOLES/MANWAYS

Use for manholes and clean-outs in storage tanks. Injection molded in grey ABS.

---

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

**CAP HEADS**

- **FLANGED**
  - Use for vertical tank ends when making industrial storage tanks.
  - Injection molded in grey ABS.
- **FLAT**
  - Use for flat faces on horizontal tank ends.
  - Injection molded in grey ABS.

**FLANGE & FLAT CAP HEADS**

- **FLANGED**
  - Use for vertical tank ends when making industrial storage tanks.
  - Injection molded in grey ABS.
- **FLAT**
  - Use for flat faces on horizontal tank ends.
  - Injection molded in grey ABS.

**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.

**MANHOLES/MANWAYS**

- Use for manholes and clean-outs in storage tanks.
- Injection molded in grey ABS.
**Engineering/Fittings**

**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

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<tr>
<td>WH-20</td>
<td>15.9</td>
<td>WH-36</td>
<td>28.6</td>
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</tbody>
</table>

**Handwheels** Set of four 4-spoked handwheels in 4 sizes. The 2 smaller wheels fit our TB-3 tube and the 2 larger ones fit our TB-4 tube. Injection molded in white styrene. Only sold as a set. 

Code: HWL-4

---

**Incandescent & Mercury Vapor Lights**

Molded in medium green

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 Sufffix. Precision Injection molded in Medium Green ABS Plastic.

**Handrail Stanchions**

Injection molded styrene. Used for curved handrail- ing in marine modelling and process models. It is suitable for containing circular platforms and for situations where edges are not available to attach standard handrails, also adaptable for stairs and ramps of non-standard angles. Place stanchions in position and thread pre-bent 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

---

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

---

**Harley Shop**

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

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.

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

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

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

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
CHAIN LINK FENCE  CODE: FEN•418 sóc 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.

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

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

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.

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<th>Height</th>
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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%
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.

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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.

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<td>8&quot;, 1:100</td>
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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.

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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 lit from behind.
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›)**

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**SQUARE PYRAMID (SKYP›)**

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**SQUARE & RECTANGULAR FREEBLOWN (SKY›)**

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</tbody>
</table>

**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.


**Structural Details**

**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. & Ext.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Width</th>
<th>Height</th>
<th>Pkg Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>DF-INEX</td>
<td>2 Ext.doors frames 2 int.doors frames</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Interior</td>
<td>22</td>
<td>13/16&quot;</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Exterior</td>
<td>24</td>
<td>7/8&quot;</td>
<td>45</td>
</tr>
<tr>
<td>DOOR-30P</td>
<td>fits Interior door frame</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOOR-36P</td>
<td>fits Exterior door frame</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CASEMENT WINDOWS** Scale: 1/4 1:48/

<table>
<thead>
<tr>
<th>Style</th>
<th>Width</th>
<th>Height</th>
<th>Pkg Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>22</td>
<td>13/16&quot;</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>25</td>
<td>7/8&quot;</td>
<td>1</td>
</tr>
<tr>
<td>A</td>
<td>19</td>
<td>3/4&quot;</td>
<td>1</td>
</tr>
</tbody>
</table>

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

**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.

**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/case-ment window. Window glass is not included.

Order Code: WIN-24
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.

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description Victorian</th>
<th>Fits Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>J2410</td>
<td>Exterior door</td>
<td>88x42 3 7/16 x 1 11/16</td>
</tr>
<tr>
<td>J2411</td>
<td>4 pane window</td>
<td>38x48 1 1/2 x 1 7/8</td>
</tr>
<tr>
<td>J2412</td>
<td>6 pane window</td>
<td>38x48 1 1/2 x 1 7/8</td>
</tr>
<tr>
<td>J2413</td>
<td>12 pane window</td>
<td>38x48 1 1/2 x 1 7/8</td>
</tr>
<tr>
<td>J2414</td>
<td>2 pane slim window</td>
<td>22x47 7/8 x 1 7/8</td>
</tr>
</tbody>
</table>

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

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: DOOR-501 1 pc (1:50)
2 1/2"(64mm) x 1 7/16"(36mm)

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Approximate dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>STG-12A</td>
<td>30 x 130</td>
</tr>
<tr>
<td>STG-12B</td>
<td>55 x 95</td>
</tr>
<tr>
<td>STG-12C</td>
<td>50 x 75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Approximate dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>STG2-12A</td>
<td>20 x 120</td>
</tr>
<tr>
<td>STG2-12B</td>
<td>45 x 60</td>
</tr>
<tr>
<td>STG2-12C</td>
<td>50 x 65</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Approximate dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>STG2-12A</td>
<td>20 x 120</td>
</tr>
<tr>
<td>STG2-12B</td>
<td>45 x 60</td>
</tr>
<tr>
<td>STG2-12C</td>
<td>50 x 65</td>
</tr>
</tbody>
</table>

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.

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<tbody>
<tr>
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</tr>
<tr>
<td>STG-12B</td>
<td>55 x 95</td>
</tr>
<tr>
<td>STG-12C</td>
<td>50 x 75</td>
</tr>
</tbody>
</table>

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</tr>
</thead>
<tbody>
<tr>
<td>STG2-12A</td>
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</tr>
<tr>
<td>STG2-12B</td>
<td>45 x 60</td>
</tr>
<tr>
<td>STG2-12C</td>
<td>50 x 65</td>
</tr>
</tbody>
</table>

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.

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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>STG2-12A</td>
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</tr>
<tr>
<td>STG2-12B</td>
<td>45 x 60</td>
</tr>
<tr>
<td>STG2-12C</td>
<td>50 x 65</td>
</tr>
</tbody>
</table>
**Patterned Finishing 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 7 1/2” 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.

<table>
<thead>
<tr>
<th>PSP-38 dk.</th>
<th>PSP-39 lt.</th>
<th>Hardwood Flooring</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP-36 dk.</td>
<td>PSP-37 lt.</td>
<td>Hardwood Flooring</td>
</tr>
<tr>
<td>PSP-20</td>
<td>PSP-21</td>
<td>PSP-22</td>
</tr>
<tr>
<td>Wood Grain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSP-27</td>
<td>Parquet Flooring</td>
<td></td>
</tr>
<tr>
<td>PSP-26</td>
<td>Parquet Flooring</td>
<td></td>
</tr>
<tr>
<td>PSP-46</td>
<td>Parquet Flooring</td>
<td></td>
</tr>
<tr>
<td>PSP-98</td>
<td>Brick</td>
<td></td>
</tr>
<tr>
<td>PSP-97</td>
<td>Brick</td>
<td></td>
</tr>
<tr>
<td>PSP-93</td>
<td>Brick</td>
<td></td>
</tr>
<tr>
<td>PSP-92</td>
<td>Brick</td>
<td></td>
</tr>
<tr>
<td>PSP-91</td>
<td>Brick</td>
<td></td>
</tr>
<tr>
<td>PSP-94</td>
<td>Interlocking Paving Bricks</td>
<td></td>
</tr>
<tr>
<td>PSP-95</td>
<td>Interlocking Paving Bricks</td>
<td></td>
</tr>
<tr>
<td>PSP-96</td>
<td>Interlocking Paving Bricks</td>
<td></td>
</tr>
<tr>
<td>PSP-78</td>
<td>PSP-79</td>
<td></td>
</tr>
<tr>
<td>Split-face stone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSP-85</td>
<td>PSP-86</td>
<td></td>
</tr>
<tr>
<td>Dressed Stone Block</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSP-83</td>
<td>Random Stone</td>
<td></td>
</tr>
<tr>
<td>PSP-82</td>
<td>Random Stone</td>
<td></td>
</tr>
<tr>
<td>PSP-80</td>
<td>Pebbles</td>
<td></td>
</tr>
<tr>
<td>PSP-81</td>
<td>Pebbles</td>
<td></td>
</tr>
<tr>
<td>PSP-67</td>
<td>Marble</td>
<td></td>
</tr>
<tr>
<td>PSP-65</td>
<td>Rough Marble</td>
<td></td>
</tr>
<tr>
<td>PSP-62</td>
<td>PSP-63</td>
<td>PSP-64</td>
</tr>
<tr>
<td>Marble</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSP-66</td>
<td>Chip Marble</td>
<td></td>
</tr>
<tr>
<td>PSP-42</td>
<td>PSP-43</td>
<td></td>
</tr>
<tr>
<td>Patterned Square Tile</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Patterned Finishing Sheets

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Colour</th>
<th>Scale or Style</th>
<th>Scale or Crit. Dim.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP-20</td>
<td>Woodgrain Cedar</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-21</td>
<td>Woodgrain Pine</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-22</td>
<td>Bamboo Medium tone</td>
<td>1&quot;, 1:12</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-23</td>
<td>Woodgrain Mahogany</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-24</td>
<td>Woodgrain Walnut</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-26</td>
<td>Parquet Flooring</td>
<td>Medium tone</td>
<td>1&quot;, 1:12</td>
<td>--</td>
</tr>
<tr>
<td>PSP-27</td>
<td>Parquet Flooring</td>
<td>Medium tone</td>
<td>1/2&quot;, 1:24</td>
<td>--</td>
</tr>
<tr>
<td>PSP-36</td>
<td>Hardwood Flooring</td>
<td>Dark</td>
<td>1&quot;, 1:12</td>
<td>--</td>
</tr>
<tr>
<td>PSP-37</td>
<td>Hardwood Flooring</td>
<td>Light</td>
<td>1&quot;, 1:12</td>
<td>--</td>
</tr>
<tr>
<td>PSP-38</td>
<td>Hardwood Flooring</td>
<td>Dark</td>
<td>1/2&quot;, 1:24</td>
<td>--</td>
</tr>
<tr>
<td>PSP-39</td>
<td>Hardwood Flooring</td>
<td>Light</td>
<td>1/2&quot;, 1:24</td>
<td>--</td>
</tr>
<tr>
<td>PSP-42</td>
<td>Patterned Square Tile</td>
<td>Brown</td>
<td>9.6mm, 3/8&quot;sq.</td>
<td>--</td>
</tr>
<tr>
<td>PSP-43</td>
<td>Patterned Square Tile</td>
<td>Blue</td>
<td>9.6mm, 3/8&quot;sq.</td>
<td>--</td>
</tr>
<tr>
<td>PSP-46</td>
<td>Parquet Flooring</td>
<td>Medium tone</td>
<td>Playscale</td>
<td>--</td>
</tr>
<tr>
<td>PSP-62</td>
<td>Marble White/grey/green vein</td>
<td>Various</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-63</td>
<td>Marble Dark green/white vein</td>
<td>Various</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-64</td>
<td>Marble Black/white vein</td>
<td>Various</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-65</td>
<td>Rough Marble Pink</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-66</td>
<td>Chip Marble Beige</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-67</td>
<td>Marble Black/beige</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-68</td>
<td>Marble Grey/white vein</td>
<td>Various</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-78</td>
<td>Split-face Stone</td>
<td>Grey</td>
<td>Various</td>
<td>--</td>
</tr>
<tr>
<td>PSP-79</td>
<td>Split-face Stone</td>
<td>Yellow/Grey</td>
<td>Various</td>
<td>--</td>
</tr>
<tr>
<td>PSP-80</td>
<td>Smll Pebbles</td>
<td>Grey</td>
<td>Various</td>
<td>--</td>
</tr>
<tr>
<td>PSP-81</td>
<td>Large Pebbles</td>
<td>Grey</td>
<td>Various</td>
<td>--</td>
</tr>
<tr>
<td>PSP-82</td>
<td>Random Stone</td>
<td>Grey</td>
<td>Various</td>
<td>--</td>
</tr>
<tr>
<td>PSP-83</td>
<td>Random Stone</td>
<td>Grey</td>
<td>Various</td>
<td>--</td>
</tr>
<tr>
<td>PSP-85</td>
<td>Dressed Stone Block</td>
<td>Green/Grey</td>
<td>Various</td>
<td>--</td>
</tr>
<tr>
<td>PSP-86</td>
<td>Dressed Stone Block</td>
<td>Grey</td>
<td>Various</td>
<td>--</td>
</tr>
<tr>
<td>PSP-91</td>
<td>Brick Red brick</td>
<td>3/4&quot;, 1:18</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-92</td>
<td>Brick Red brick</td>
<td>3/8&quot;, 1:32</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-93</td>
<td>Brick Light red</td>
<td>O 1/4&quot;, 1:50</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-94</td>
<td>Interlocking Paving Bricks</td>
<td>Dark red</td>
<td>HO 1/8&quot;, 1:100</td>
<td>--</td>
</tr>
<tr>
<td>PSP-95</td>
<td>Interlocking Paving Bricks</td>
<td>Dark red</td>
<td>O 1/4&quot;, 1:50</td>
<td>--</td>
</tr>
<tr>
<td>PSP-96</td>
<td>Interlocking Paving Bricks</td>
<td>Dark red</td>
<td>G 1/2&quot;, 1:24</td>
<td>--</td>
</tr>
<tr>
<td>PSP-97</td>
<td>Brick Dark red</td>
<td>HO 1/8&quot;, 1:100</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PSP-98</td>
<td>Brick Red brick</td>
<td>HO 1/8&quot;, 1:100</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

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

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 packaged in quantities indicated below.

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Sheet size (mm x mm)</th>
<th>Order Code</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50</td>
<td>300 x 600 12 x 24</td>
<td>STSW-20</td>
<td></td>
</tr>
<tr>
<td>0.75</td>
<td>300 x 600 12 x 24</td>
<td>STSW-30</td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>300 x 600 12 x 24</td>
<td>STSW-40</td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>300 x 600 12 x 24</td>
<td>STSW-60</td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>300 x 600 12 x 24</td>
<td>STSW-80</td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>300 x 600 12 x 24</td>
<td>STSW-100</td>
<td></td>
</tr>
<tr>
<td>3.13</td>
<td>300 x 600 12 x 24</td>
<td>STSW-125</td>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Sheet size (mm x mm)</th>
<th>Colour</th>
<th>Order Code</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50</td>
<td>175 x 300 7x12</td>
<td>Red brick</td>
<td>SSS-203R</td>
<td>2</td>
</tr>
<tr>
<td>0.50</td>
<td>175 x 300 7x12</td>
<td>Concrete grey</td>
<td>SSS-303CG</td>
<td>2</td>
</tr>
<tr>
<td>0.50</td>
<td>175 x 300 7x12</td>
<td>Battleship grey</td>
<td>SSS-403BG</td>
<td>2</td>
</tr>
<tr>
<td>0.50</td>
<td>175 x 300 7x12</td>
<td>Black</td>
<td>SSS-503BK</td>
<td>2</td>
</tr>
</tbody>
</table>

**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.

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 packaged in quantities indicated below.

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Sheet size (mm x mm)</th>
<th>Order Code</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50</td>
<td>300 x 600 12 x 24</td>
<td>COP-020</td>
<td>1</td>
</tr>
<tr>
<td>0.75</td>
<td>300 x 600 12 x 24</td>
<td>COP-030</td>
<td>1</td>
</tr>
<tr>
<td>1.00</td>
<td>300 x 600 12 x 24</td>
<td>COP-040</td>
<td>1</td>
</tr>
<tr>
<td>1.50</td>
<td>300 x 600 12 x 24</td>
<td>COP-060</td>
<td>1</td>
</tr>
<tr>
<td>2.00</td>
<td>300 x 600 12 x 24</td>
<td>COP-140</td>
<td>1</td>
</tr>
</tbody>
</table>

All 7”x12” packages have cutting & painting instructions included on the header.
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.
<table>
<thead>
<tr>
<th>Patterned Finishing Sheets</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FS-35</td>
<td>Fieldstone 3/8&quot; (1:32)</td>
</tr>
<tr>
<td>FS-4</td>
<td>Fieldstone 1/4&quot; O (1:50)</td>
</tr>
<tr>
<td>FS-8</td>
<td>Fieldstone 1/8&quot; HO (1:100)</td>
</tr>
<tr>
<td>FS0-8</td>
<td>Random Stone 1/8&quot; HO (1:100)</td>
</tr>
<tr>
<td>RPG-1 &amp; RPG-12</td>
<td>Random Pebbles 1&quot; (1:12)</td>
</tr>
<tr>
<td>RPG-2</td>
<td>Random Pebbles 1/2&quot; G (1:24)</td>
</tr>
<tr>
<td>RPG-4</td>
<td>Random Pebbles 1/4&quot; O (1:50)</td>
</tr>
<tr>
<td>RPG-8</td>
<td>Random Pebbles 1/8&quot; HO (1:100)</td>
</tr>
<tr>
<td>RPG-16</td>
<td>Random Pebbles 1/16&quot; N (1:200)</td>
</tr>
<tr>
<td>CBL-12</td>
<td>Castle Stone 1&quot; (1:12)</td>
</tr>
<tr>
<td>ROCK-1</td>
<td>Rock Embankment 1/4&quot; O (1:50)</td>
</tr>
<tr>
<td>ROCK-2</td>
<td>Rock Embankment 1/8&quot; HO (1:100)</td>
</tr>
<tr>
<td>STUCO-1</td>
<td>Coarse Stucco/Road (Various)</td>
</tr>
<tr>
<td>STUCO-2 &amp; STUCO-22</td>
<td>Medium Stucco/Road (Various)</td>
</tr>
<tr>
<td>STUCO-3 &amp; STUCO-32</td>
<td>Fine Stucco (Various)</td>
</tr>
<tr>
<td>SH-2</td>
<td>Clapboard Siding 8mm (5/16&quot;)</td>
</tr>
<tr>
<td>SH-12 &amp; SH-12L</td>
<td>Clapboard Siding 10mm (3/8&quot;)</td>
</tr>
<tr>
<td>SH-3</td>
<td>Clapboard Siding 6mm (1/4&quot;)</td>
</tr>
<tr>
<td>SH-4</td>
<td>Clapboard Siding 5mm (3/16&quot;)</td>
</tr>
<tr>
<td>SH-8</td>
<td>Clapboard Siding 3mm (1/8&quot;)</td>
</tr>
<tr>
<td>SH-16</td>
<td>Clapboard Siding 2mm (1/16&quot;)</td>
</tr>
<tr>
<td>SCS-16</td>
<td>Corrugated Siding 1/2&quot; (1:24)</td>
</tr>
<tr>
<td>SCS-12</td>
<td>Corrugated Siding 3/8&quot; (1:32)</td>
</tr>
<tr>
<td>SCS-10</td>
<td>Corrugated Siding 1/16&quot; (1:200)</td>
</tr>
<tr>
<td>SCS-8</td>
<td>Corrugated Siding 1/8&quot; (1:100)</td>
</tr>
<tr>
<td>VSR-3</td>
<td>Vertical Rib Siding 3/8&quot; (1:32)</td>
</tr>
<tr>
<td>VSR-4</td>
<td>Vertical Rib Siding 1/4&quot; (1:50)</td>
</tr>
<tr>
<td>VSR-8</td>
<td>Vertical Rib Siding 1/8&quot; (1:100)</td>
</tr>
<tr>
<td>VSR-12</td>
<td>Vertical Rib Roof 1&quot; (1:12)</td>
</tr>
<tr>
<td>PL-6 &amp; PL-6L</td>
<td>Planking 6mm (1/4&quot;)</td>
</tr>
</tbody>
</table>
DECORATIVE ACCENT BRICK This sheet of 1" (1:12) decorative brick accents comprises surrounds 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 not required.**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Scale</th>
<th>Colour</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB-12</td>
<td>Board &amp; Batten</td>
<td>1&quot;</td>
<td>Concrete Grey</td>
<td>355x555 14x24</td>
</tr>
<tr>
<td>BL-1</td>
<td>Concrete Block</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>175x750 7x24</td>
</tr>
<tr>
<td>BL-2</td>
<td>Concrete Block</td>
<td>1/2&quot;, 1:24</td>
<td>Concrete Grey</td>
<td>175x500 7x24</td>
</tr>
<tr>
<td>BL-4</td>
<td>Concrete Block</td>
<td>1/4&quot;, 1:50</td>
<td>O Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>BL-8</td>
<td>Concrete Block</td>
<td>1/8&quot;, 1:100</td>
<td>HO Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>BR-1</td>
<td>Brick</td>
<td>1&quot;, 1:12</td>
<td>Red Brick</td>
<td>175x750 7x24</td>
</tr>
<tr>
<td>BR-2</td>
<td>Brick</td>
<td>1/2&quot;, 1:24</td>
<td>Red Brick</td>
<td>175x500 7x24</td>
</tr>
<tr>
<td>BR-4</td>
<td>Brick</td>
<td>1/4&quot;, 1:50</td>
<td>O Red Brick</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>BR-8</td>
<td>Brick</td>
<td>1/8&quot;, 1:100</td>
<td>HO Red Brick</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>BR-10</td>
<td>Brick</td>
<td>3/32&quot;, 1:150</td>
<td>O Red Brick</td>
<td>175x500 7x24</td>
</tr>
<tr>
<td>BR-16</td>
<td>Brick</td>
<td>1/16&quot;, 1:200</td>
<td>N/Z Red Brick</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>CBL-12BG</td>
<td>Castle Stone</td>
<td>1&quot;, 1:12</td>
<td>Battleship Grey</td>
<td>355x555 14x24</td>
</tr>
<tr>
<td>CBL-12CG</td>
<td>Castle Stone</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>355x555 14x24</td>
</tr>
<tr>
<td>COB-12</td>
<td>Cobble Stone</td>
<td>1&quot;, 1:12</td>
<td>Battleship Grey</td>
<td>355x555 14x24</td>
</tr>
<tr>
<td>CRAT</td>
<td>Cobble Stone</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>175x500 7x12</td>
</tr>
<tr>
<td>DRG</td>
<td>Stone Flooring</td>
<td>Various</td>
<td>Concrete Grey</td>
<td>175x750 7x12</td>
</tr>
<tr>
<td>DSC-1</td>
<td>Dressed Stone</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>175x750 7x24</td>
</tr>
<tr>
<td>DSC-12</td>
<td>Dressed Stone</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>355x500 14x24</td>
</tr>
<tr>
<td>DSC-2</td>
<td>Dressed Stone</td>
<td>1/2&quot;, 1:24</td>
<td>G Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>DSG</td>
<td>Dressed Stone</td>
<td>1/4&quot;, 1:50</td>
<td>O Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>DSGM</td>
<td>Dressed Stone</td>
<td>1/8&quot;, 1:100</td>
<td>HO Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>FLG-12</td>
<td>Flagstone</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>355x750 14x24</td>
</tr>
<tr>
<td>FLG-2</td>
<td>Flagstone</td>
<td>1/2&quot;, 1:24</td>
<td>Concrete Grey</td>
<td>175x750 7x24</td>
</tr>
<tr>
<td>FS-1</td>
<td>Fieldstone</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>355x555 24x14</td>
</tr>
<tr>
<td>FS-2</td>
<td>Fieldstone</td>
<td>1/2&quot;, 1/24</td>
<td>G Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>FS-22</td>
<td>Fieldstone</td>
<td>1/2&quot;, 1/24</td>
<td>G Concrete Grey</td>
<td>175x500 7x12</td>
</tr>
<tr>
<td>FS-35</td>
<td>Fieldstone</td>
<td>3/8&quot;, 1:32</td>
<td>Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>FS-4</td>
<td>Fieldstone</td>
<td>1/4&quot;, 1:50</td>
<td>O Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>FS-6G</td>
<td>Fieldstone</td>
<td>1/8&quot;, 1:100</td>
<td>HO Concrete Grey</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>FS-8</td>
<td>Fieldstone</td>
<td>3/8&quot;, 1:100</td>
<td>HO Concrete Grey</td>
<td>175x500 7x12</td>
</tr>
<tr>
<td>FS-8G</td>
<td>Fieldstone</td>
<td>3/8&quot;, 1:100</td>
<td>HO Concrete Grey</td>
<td>175x500 7x12</td>
</tr>
<tr>
<td>GB-2</td>
<td>Glass Block</td>
<td>1/2&quot;, 12.7mm</td>
<td>Clear</td>
<td>175x750 7x12</td>
</tr>
<tr>
<td>INTH-12CG</td>
<td>Paving Stones</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>355x555 14x24</td>
</tr>
<tr>
<td>INTH-12R</td>
<td>Paving Stones</td>
<td>1&quot;, 1:12</td>
<td>Red Brick</td>
<td>355x555 14x24</td>
</tr>
<tr>
<td>INTH-1CG</td>
<td>Paving Stones</td>
<td>1&quot;, 1:12</td>
<td>Concrete Grey</td>
<td>355x500 14x24</td>
</tr>
<tr>
<td>INTH-1R</td>
<td>Paving Stones</td>
<td>1&quot;, 1:12</td>
<td>Red Brick</td>
<td>355x500 14x24</td>
</tr>
<tr>
<td>INTH-2</td>
<td>Paving Stones</td>
<td>1/2&quot;, 1:24</td>
<td>G Red Brick or CG</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>INTH-4</td>
<td>Paving Stones</td>
<td>1/4&quot;, 1:50</td>
<td>O Red Brick or CG</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>INTH-8</td>
<td>Paving Stones</td>
<td>1/8&quot;, 1:100</td>
<td>HO Red Brick or CG</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>PL-6</td>
<td>Planking</td>
<td>6mm, 1/4&quot;</td>
<td>White</td>
<td>175x500 7x12</td>
</tr>
<tr>
<td>PL-6L</td>
<td>Planking</td>
<td>6mm, 1/4&quot;</td>
<td>White</td>
<td>175x500 7x24</td>
</tr>
<tr>
<td>PL-4</td>
<td>Planking</td>
<td>4mm, 3/32&quot;</td>
<td>White</td>
<td>175x500 7x12</td>
</tr>
<tr>
<td>PL-4L</td>
<td>Planking</td>
<td>4mm, 3/32&quot;</td>
<td>White</td>
<td>175x500 7x24</td>
</tr>
<tr>
<td>PL-3</td>
<td>Planking</td>
<td>3mm, 1/8&quot;</td>
<td>White</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>PL-3L</td>
<td>Planking</td>
<td>3mm, 1/8&quot;</td>
<td>White</td>
<td>175x300 7x24</td>
</tr>
<tr>
<td>PL-2</td>
<td>Planking</td>
<td>2mm, 3/32&quot;</td>
<td>White</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>PL-2L</td>
<td>Planking</td>
<td>2mm, 3/32&quot;</td>
<td>White</td>
<td>175x300 7x24</td>
</tr>
<tr>
<td>PL-15</td>
<td>Planking</td>
<td>1.5&quot;, 1/16&quot;</td>
<td>White</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>PL-15L</td>
<td>Planking</td>
<td>1.5mm, 1/16&quot;</td>
<td>White</td>
<td>175x500 7x24</td>
</tr>
<tr>
<td>PL-1L</td>
<td>Planking</td>
<td>1mm, 3/64&quot;</td>
<td>White</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>PL-05</td>
<td>Planking</td>
<td>0.5mm, 1/32&quot;</td>
<td>White</td>
<td>175x300 7x12</td>
</tr>
<tr>
<td>PRWL-0C</td>
<td>Large Water</td>
<td>Various</td>
<td>Clear</td>
<td>355x555 14x24</td>
</tr>
<tr>
<td>PRWL-C</td>
<td>Large Water</td>
<td>Various</td>
<td>Clear</td>
<td>175x300 7x12</td>
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<tr>
<td>PRWR-C</td>
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<td>Various</td>
<td>Clear</td>
<td>175x300 7x12</td>
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</tbody>
</table>

ORDER OF SHEETS

THIS TABLE IS CONTINUED ON THE FOLLOWING PAGE
**PLASTIC PATTERNED SHEETS REFERENCE TABLE CONT D.**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Scale or Sheet</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>SQ-1C</td>
<td>Square Tile</td>
<td>25mm, 1&quot;</td>
<td>Clear 175x300 7x12</td>
</tr>
<tr>
<td>SQ-1B</td>
<td>Square Tile</td>
<td>25mm, 1&quot;</td>
<td>Battleship Grey 175x300 7x12</td>
</tr>
<tr>
<td>SQ-1R</td>
<td>Square Tile</td>
<td>25mm, 1&quot;</td>
<td>Red Brick 175x300 7x12</td>
</tr>
<tr>
<td>SQ-1W</td>
<td>Square Tile</td>
<td>25mm, 1&quot;</td>
<td>White 175x300 7x12</td>
</tr>
<tr>
<td>SQ-12C</td>
<td>Square Tile</td>
<td>19.2mm, 3/4&quot;</td>
<td>Clear 355x600 14x24</td>
</tr>
<tr>
<td>SQ-12R</td>
<td>Square Tile</td>
<td>19.2mm, 3/4&quot;</td>
<td>Red 355x600 14x24</td>
</tr>
<tr>
<td>SQ-12W</td>
<td>Square Tile</td>
<td>19.2mm, 3/4&quot;</td>
<td>White 355x600 14x24</td>
</tr>
<tr>
<td>SQ-2C</td>
<td>Square Tile</td>
<td>12.7mm, 1/2&quot;</td>
<td>Clear 175x300 7x12</td>
</tr>
<tr>
<td>SQ-2B</td>
<td>Square Tile</td>
<td>12.7mm, 1/2&quot;</td>
<td>Battleship Grey 175x300 7x12</td>
</tr>
<tr>
<td>SQ-2W</td>
<td>Square Tile</td>
<td>12.7mm, 1/2&quot;</td>
<td>White 175x300 7x12</td>
</tr>
<tr>
<td>SQ-4C</td>
<td>Square Tile</td>
<td>6.4mm, 1/4&quot;</td>
<td>Clear 175x300 7x12</td>
</tr>
<tr>
<td>SQ-4B</td>
<td>Square Tile</td>
<td>6.4mm, 1/4&quot;</td>
<td>Battleship Grey 175x300 7x12</td>
</tr>
<tr>
<td>SQ-4R</td>
<td>Square Tile</td>
<td>6.4mm, 1/4&quot;</td>
<td>Red Brick 175x300 7x12</td>
</tr>
<tr>
<td>SQ-5C</td>
<td>Square Tile</td>
<td>5mm, 1/5&quot;</td>
<td>Clear 175x300 7x12</td>
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<tr>
<td>SQ-5B</td>
<td>Square Tile</td>
<td>5mm, 1/5&quot;</td>
<td>Battleship Grey 175x300 7x12</td>
</tr>
<tr>
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<td>2.5mm, 1/10&quot;</td>
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<td>2.5mm, 1/10&quot;</td>
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<td>Spanish Tiles</td>
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<td>Spanish Tiles</td>
<td>1&quot;, 1/2&quot;</td>
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<td>SRT-2</td>
<td>Spanish Tiles</td>
<td>1/2&quot;, 1/24 G</td>
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<td>Spanish Tiles</td>
<td>1/4&quot;, 1/50 O</td>
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<tr>
<td>SRT-16</td>
<td>Spanish Tiles</td>
<td>1/16&quot;, 1:200 N</td>
<td>White 2mm thk. 75x75 3x3</td>
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<tr>
<td>STEP-03</td>
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<tr>
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<td>Medium Stucco</td>
<td>Various White, Black 175x300 7x12</td>
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</table>

**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 diaramas. 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)*
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.

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.
**Patterned Finishing Sheets**

**PEEL & STICK MARBLE TILES** For the ultimate in timeless elegance on your dollhouse 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").

<table>
<thead>
<tr>
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<tr>
<td>MT-12W</td>
<td>White/grey accents</td>
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<tr>
<td>MT-12G</td>
<td>Green/dark accents</td>
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<td>Black/gold accents</td>
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<tr>
<td>MT-12PW</td>
<td>Plain gloss white</td>
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</table>

**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.

**LAMINATE PEEL & 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).

<table>
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<tr>
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<td>Maple</td>
<td>WF-12MP</td>
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<tr>
<td>Oak</td>
<td>WF-12OK</td>
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<tr>
<td>Pine</td>
<td>WF-12PN</td>
</tr>
<tr>
<td>Walnut</td>
<td>WF-12WL</td>
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**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 (STICK'M), 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 STICK'M Weldbond contact cement. Roll size is 450mm x 600mm (18" x 27").

<table>
<thead>
<tr>
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<td>CRPT-DG</td>
<td>Dark Grey</td>
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<tr>
<td>CRPT-DP</td>
<td>Dusty Pink</td>
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<tr>
<td>GR-11S</td>
<td>Moss Green</td>
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<tr>
<td>CRPT-PK</td>
<td>Baby Pink</td>
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<tr>
<td>CRPT-LG</td>
<td>Light Grey</td>
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</tbody>
</table>
DEALER PACK COUNTER TOP MERCHANDISERS › SEE PRICE LIST FOR MORE DETAILS

MERCHANDISERS

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

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

Display board

LANDSCAPING MATERIALS FOR A WIDE RANGE OF SCALES & APPLICATIONS

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

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

Bench & picnic set not included.

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.
### Landscaping Materials

#### READY MADE DECIDUOUS TREES

These are handmade trees with a special foliage mix applied to our 3-dimensional tree armatures (TAs), 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.

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</table>
**Landscaping Materials**

**TREE ARMATURES**  Our three dimensional injection molded styrene tree frames are molded in a realistic brownish grey color, 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 color tones (as shown below). Blossoms may also be applied to create a flowering tree.

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**BULK PACKAGES**

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</tbody>
</table>

**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 color choices, please state color code when ordering. Use MBS Mini Bond.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autumn</td>
<td>AM</td>
</tr>
<tr>
<td>Red Maple</td>
<td>AR</td>
</tr>
<tr>
<td>Bright Green</td>
<td>BG</td>
</tr>
<tr>
<td>EverGreen</td>
<td>EG</td>
</tr>
<tr>
<td>Light Green</td>
<td>LG</td>
</tr>
</tbody>
</table>

**ORDER CODE**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height</th>
<th>mm</th>
<th>in</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TREEKIT-2</td>
<td>50mm</td>
<td>2</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>TREEKIT-3</td>
<td>75mm</td>
<td>3</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>TREEKIT-4</td>
<td>100mm</td>
<td>4</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>TREEKIT-6</td>
<td>150mm</td>
<td>6</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TREEKIT-8</td>
<td>200mm</td>
<td>8</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**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 MILLIPUT epoxy putty (MEP-1) also can 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).

**ORDER CODE :**

- TAW-1 915mm/3’ 18 gauge 7 strand wire
- TAW-2 1897mm/ 6’ 12 gauge 7 strand wire

![Tree with Milliput](image1)

![Root base](image2)

![Painted trunk with foliage](image3)
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 Code | Height | Pkg.
<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
</tr>
</thead>
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<tr>
<td>TSJP-4</td>
<td>100mm</td>
<td>4 4</td>
<td>1</td>
</tr>
<tr>
<td>TSJP-6</td>
<td>150mm</td>
<td>6 2</td>
<td>1</td>
</tr>
<tr>
<td>TSJP-8</td>
<td>200mm</td>
<td>8 2</td>
<td>1</td>
</tr>
</tbody>
</table>
```

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

```
| Order Code | Height Code | Height | Pkg.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TREF-SFG</td>
<td>brown</td>
<td>200mm</td>
<td>8&quot; 2</td>
</tr>
<tr>
<td>TREF-8BIR</td>
<td>birch/white</td>
<td>200mm</td>
<td>8&quot; 2</td>
</tr>
</tbody>
</table>
```

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 | Height | Pkg.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TREL-4LG</td>
<td>Lt.green</td>
<td>108</td>
<td>4 6</td>
</tr>
<tr>
<td>TREL-4DG</td>
<td>Drk.green</td>
<td>108</td>
<td>4 6</td>
</tr>
</tbody>
</table>
```

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

```
| Order Code | Description  | Height Code | Height | Pkg.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TSP-3B</td>
<td>Blue Spruce</td>
<td>75mm</td>
<td>3&quot;</td>
<td>6</td>
</tr>
<tr>
<td>TSP-3G</td>
<td>Norway Spruce</td>
<td>75mm</td>
<td>3&quot;</td>
<td>6</td>
</tr>
</tbody>
</table>
```

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.

```
<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height Code</th>
<th>Height</th>
<th>Pkg.</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSDF-10</td>
<td>98 3 3/4&quot;</td>
<td>6</td>
<td>Dark Green</td>
<td></td>
</tr>
<tr>
<td>TSDF-10BS</td>
<td>98 3 3/4&quot;</td>
<td>6</td>
<td>Blue Spruce  Not shown</td>
<td></td>
</tr>
<tr>
<td>TSDF-15</td>
<td>140 5 1/2&quot;</td>
<td>4</td>
<td>Dark Green</td>
<td></td>
</tr>
<tr>
<td>TSDF-15BS</td>
<td>140 5 1/2&quot;</td>
<td>4</td>
<td>Blue Spruce  Not shown</td>
<td></td>
</tr>
</tbody>
</table>
```

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 Code | Height | Pkg.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TCD-3</td>
<td>95mm</td>
<td>3 3/4&quot;</td>
<td>6</td>
</tr>
</tbody>
</table>
```

All available in bulk for mass planting, please inquire.
**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’em. 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 Glue or MiniBond. Cut your own hedges. **Sold individually.**

**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.**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Pkg</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5A</td>
<td>13</td>
<td>1/2</td>
<td>10</td>
</tr>
<tr>
<td>T-7A</td>
<td>19</td>
<td>3/4</td>
<td>10</td>
</tr>
<tr>
<td>T-1A</td>
<td>25</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>T-15A</td>
<td>38</td>
<td>1 1/2</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Diameter (mm)</th>
<th>Height (mm)</th>
<th>Pkg</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5B</td>
<td>13</td>
<td>1/2</td>
<td>10</td>
</tr>
<tr>
<td>T-7B</td>
<td>19</td>
<td>3/4</td>
<td>10</td>
</tr>
<tr>
<td>T-1B</td>
<td>25</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>T-15B</td>
<td>38</td>
<td>1 1/2</td>
<td>10</td>
</tr>
<tr>
<td>T-2B</td>
<td>50</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Diameter (mm)</th>
<th>Height (mm)</th>
<th>Pkg</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5C</td>
<td>13</td>
<td>1/2</td>
<td>10</td>
</tr>
<tr>
<td>T-7C</td>
<td>19</td>
<td>3/4</td>
<td>10</td>
</tr>
<tr>
<td>T-1C</td>
<td>25</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>T-15C</td>
<td>38</td>
<td>1 1/2</td>
<td>10</td>
</tr>
<tr>
<td>T-2C</td>
<td>50</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Diameter (mm)</th>
<th>Height (mm)</th>
<th>Pkg</th>
</tr>
</thead>
<tbody>
<tr>
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<td>T-7D</td>
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<td>10</td>
</tr>
<tr>
<td>T-1D</td>
<td>25</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>T-15D</td>
<td>38</td>
<td>1 1/2</td>
<td>10</td>
</tr>
<tr>
<td>T-2D</td>
<td>50</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Letter</th>
<th>Height mm</th>
<th>in</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1215D</td>
<td>Pine</td>
<td>D</td>
<td>38.9</td>
<td>1 1/2”</td>
<td>10</td>
</tr>
<tr>
<td>T-122D</td>
<td>Pine</td>
<td>D</td>
<td>62</td>
<td>2 1/2”</td>
<td>4</td>
</tr>
<tr>
<td>T-124D</td>
<td>Pine</td>
<td>D</td>
<td>115</td>
<td>4 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-127D</td>
<td>Pine</td>
<td>D</td>
<td>175</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>T-129D</td>
<td>Pine</td>
<td>D</td>
<td>230</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>T-124G</td>
<td>Spiral</td>
<td>G</td>
<td>115</td>
<td>4 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-127G</td>
<td>Spiral</td>
<td>G</td>
<td>175</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>T-123H</td>
<td>Spruce</td>
<td>H</td>
<td>89</td>
<td>3 1/2”</td>
<td>2</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Letter</th>
<th>Dim. mm</th>
<th>in</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1215AS</td>
<td>Round(inset)</td>
<td>A</td>
<td>dia. 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-1215BS</td>
<td>Egg-shaped</td>
<td>B</td>
<td>Height 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-122BS</td>
<td>Egg-shaped</td>
<td>B</td>
<td>Height 62</td>
<td>2 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-1215CS</td>
<td>Mound</td>
<td>C</td>
<td>dia. 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-122CS</td>
<td>Mound</td>
<td>C</td>
<td>dia. 50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>T-1215E</td>
<td>Egg-shaped</td>
<td>B</td>
<td>Height 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-122E</td>
<td>Egg-shaped</td>
<td>B</td>
<td>Height 62</td>
<td>2 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-123E</td>
<td>Short tapered square</td>
<td>E</td>
<td>Height 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-124E</td>
<td>Tall tapered square</td>
<td>E</td>
<td>Height 115</td>
<td>4 1/2”</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Letter</th>
<th>Dim. mm</th>
<th>in</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1215A</td>
<td>Round</td>
<td>A</td>
<td>dia. 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-1211C</td>
<td>Mound</td>
<td>C</td>
<td>dia. 25</td>
<td>1”</td>
<td>3</td>
</tr>
<tr>
<td>T-1215C</td>
<td>Mound</td>
<td>C</td>
<td>dia. 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-122C</td>
<td>Mound</td>
<td>C</td>
<td>dia. 50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>T-1215B</td>
<td>Egg-shaped</td>
<td>B</td>
<td>Height 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-122B</td>
<td>Egg-shaped</td>
<td>B</td>
<td>Height 62</td>
<td>2 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-122E</td>
<td>Short tapered square</td>
<td>E</td>
<td>Height 38</td>
<td>1 1/2”</td>
<td>2</td>
</tr>
<tr>
<td>T-123E</td>
<td>Short tapered square</td>
<td>E</td>
<td>Height 50</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>T-124E</td>
<td>Tall tapered square</td>
<td>E</td>
<td>Height 115</td>
<td>4 1/2”</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height mm</th>
<th>Height in</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-128H</td>
<td>200</td>
<td>8&quot;</td>
</tr>
<tr>
<td>T-1212H</td>
<td>300</td>
<td>12&quot;</td>
</tr>
<tr>
<td>T-1215H</td>
<td>375</td>
<td>15&quot;</td>
</tr>
</tbody>
</table>

**Norway Spruce (dark green colour)**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height mm</th>
<th>Height in</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-127J</td>
<td>175</td>
<td>7&quot;</td>
</tr>
<tr>
<td>T-129J</td>
<td>230</td>
<td>9&quot;</td>
</tr>
</tbody>
</table>

**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.**

**Dark Green**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height mm</th>
<th>Width mm</th>
<th>Length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEDG-1</td>
<td>76</td>
<td>3</td>
<td>38 1 1/2</td>
</tr>
<tr>
<td>HEDG-2</td>
<td>38 1 1/2</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>HEDG-48</td>
<td>32 1 1/4</td>
<td>12</td>
<td>1 1/2</td>
</tr>
<tr>
<td>HEDG-3</td>
<td>25 1</td>
<td>15</td>
<td>5/8</td>
</tr>
<tr>
<td>HEDG-32</td>
<td>25 1</td>
<td>9.5</td>
<td>3/8</td>
</tr>
<tr>
<td>HEDG-24</td>
<td>16 5/8</td>
<td>9.5</td>
<td>3/8</td>
</tr>
<tr>
<td>HEDG-16</td>
<td>9.5 3/8</td>
<td>6</td>
<td>1/4</td>
</tr>
<tr>
<td>HEDG-8</td>
<td>6 1/4</td>
<td>5</td>
<td>3/16</td>
</tr>
</tbody>
</table>

**24” Long - Dark Green**

<table>
<thead>
<tr>
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<th>Height mm</th>
<th>Width mm</th>
<th>Length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEDG-1L</td>
<td>76</td>
<td>3</td>
<td>38 1 1/2</td>
</tr>
<tr>
<td>HEDG-2L</td>
<td>38 1 1/2</td>
<td>25</td>
<td>1</td>
</tr>
</tbody>
</table>

**Spring Green**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height mm</th>
<th>Width mm</th>
<th>Length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEDG-1S</td>
<td>76</td>
<td>3</td>
<td>38 1 1/2</td>
</tr>
<tr>
<td>HEDG-2S</td>
<td>38 1 1/2</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>HEDG-48S</td>
<td>32 1 1/4</td>
<td>12</td>
<td>1 1/2</td>
</tr>
<tr>
<td>HEDG-3S</td>
<td>25 1</td>
<td>15</td>
<td>5/8</td>
</tr>
<tr>
<td>HEDG-32S</td>
<td>25 1</td>
<td>9.5</td>
<td>3/8</td>
</tr>
<tr>
<td>HEDG-24S</td>
<td>16 5/8</td>
<td>9.5</td>
<td>3/8</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height mm</th>
<th>Width mm</th>
<th>Length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED-1</td>
<td>76</td>
<td>3</td>
<td>38 1 1/2</td>
</tr>
<tr>
<td>HED-2</td>
<td>38 1 1/2</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>HED-32</td>
<td>25 1</td>
<td>9.5</td>
<td>3/8</td>
</tr>
<tr>
<td>HED-24</td>
<td>16 5/8</td>
<td>9.5</td>
<td>3/8</td>
</tr>
<tr>
<td>HED-16</td>
<td>9.5 3/8</td>
<td>6</td>
<td>1/4</td>
</tr>
<tr>
<td>HED-8</td>
<td>6 1/4</td>
<td>5</td>
<td>3/16</td>
</tr>
</tbody>
</table>
**Landscaping Materials**

**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.**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Length (mm)</th>
<th>Height (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DGF-2</td>
<td>Long garden w/ short trees</td>
<td>256</td>
<td>10.25</td>
</tr>
<tr>
<td>DGF-3</td>
<td>Short garden</td>
<td>156</td>
<td>6.25</td>
</tr>
<tr>
<td>DGF-4</td>
<td>Corner gardens (2pc)</td>
<td>200</td>
<td>8</td>
</tr>
</tbody>
</table>

**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.**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Length (mm)</th>
<th>Height (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP-12A</td>
<td>Large round topiary 1:12</td>
<td>140</td>
<td>5.5</td>
</tr>
<tr>
<td>TOP-12B</td>
<td>Small round topiary 1:12</td>
<td>76</td>
<td>3</td>
</tr>
<tr>
<td>TOP-12C</td>
<td>Large half-round topiary 1:12</td>
<td>127</td>
<td>5</td>
</tr>
<tr>
<td>TOP-12D</td>
<td>Large Cedar-shape topiary 1:12</td>
<td>140</td>
<td>5.5</td>
</tr>
<tr>
<td>TOP-24A</td>
<td>Round topiary 1:24</td>
<td>35</td>
<td>1.38</td>
</tr>
<tr>
<td>TOP-24D</td>
<td>Cedar shape topiary 1:24</td>
<td>35</td>
<td>1.38</td>
</tr>
</tbody>
</table>

**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.**

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Length (mm)</th>
<th>Height (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP-12E</td>
<td>Short tree, square pot</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td>TOP-12F</td>
<td>Tall tree, square pot</td>
<td>150</td>
<td>6</td>
</tr>
<tr>
<td>TOP-12G</td>
<td>Short tree, round pot</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td>TOP-12H</td>
<td>Tall tree, round pot</td>
<td>150</td>
<td>6</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Size</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-2C( )</td>
<td>50</td>
<td>2” mound</td>
<td>2</td>
</tr>
<tr>
<td>T-15C( )</td>
<td>38</td>
<td>1 1/2” mound</td>
<td>2</td>
</tr>
<tr>
<td>T-1C( )</td>
<td>25</td>
<td>1” mound</td>
<td>3</td>
</tr>
<tr>
<td>T-15B( )</td>
<td>38</td>
<td>1 1/2” egg shaped</td>
<td>2</td>
</tr>
</tbody>
</table>
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).

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GD-1</td>
<td>pink, blue, white 2 of each</td>
</tr>
<tr>
<td>GD-2</td>
<td>yellow, violet, white 2 of each</td>
</tr>
<tr>
<td>GD-3</td>
<td>red, marigold, burgundy 2 of each</td>
</tr>
</tbody>
</table>

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")

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDB-1</td>
<td>pink, blue, white</td>
</tr>
<tr>
<td>GDB-2</td>
<td>yellow, violet, white</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDB-241</td>
<td>Pink, White, Blue</td>
</tr>
<tr>
<td>GDB-242</td>
<td>Yellow, Violet, White</td>
</tr>
</tbody>
</table>

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: CLPT- (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)

BLOSSOM BUSHES  Wire armatures with greenery and blossoms can be bent to your desired shape. 4” tall Blister packed  

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSH-PK</td>
<td>Fuchsia pink</td>
</tr>
<tr>
<td>BUSH-R</td>
<td>Red Rose</td>
</tr>
<tr>
<td>BUSH-WT</td>
<td>White</td>
</tr>
<tr>
<td>BUSH-YL</td>
<td>Yellow</td>
</tr>
<tr>
<td>BUSH-G</td>
<td>Green (not shown)</td>
</tr>
</tbody>
</table>

SQUEEZE ME WREATH  2” dia. wreath with red bow and red blossoms.  1 per pack  
Order Code: T-12WR

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.

BLOSSOM MIX PACKS  1 pack ea. of 3 colors & all 10 colors. Bag size 45mm (1 3/4”) square  

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOS-MX1</td>
<td>Blue, White, Fuchsia Pink</td>
</tr>
<tr>
<td>BLOS-MX2</td>
<td>Fuchsia Pink, Yellow, Violet</td>
</tr>
<tr>
<td>BLOS-MX3</td>
<td>Burgundy, Marigold, Red</td>
</tr>
<tr>
<td>BLOS-MXA</td>
<td>All 10 colors in a clam pack</td>
</tr>
</tbody>
</table>
LANDSCAPING MATERIALS

PINE OR SPRUCE 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 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5P</td>
<td>13mm</td>
<td>1/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>T-7P</td>
<td>19mm</td>
<td>3/4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

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”).

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Height</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PINE-2</td>
<td>8</td>
<td>5/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>22</td>
</tr>
<tr>
<td>PINE-5</td>
<td>15 - 20</td>
<td>9/16 - 3/4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

TREES  These trees are designed predominantly for mass planting on architectural 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Style</th>
<th>Dia / Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR-4A</td>
<td>round head</td>
<td>4 dia 5/32</td>
</tr>
<tr>
<td>TR-6A</td>
<td>round head</td>
<td>6 dia 1/4</td>
</tr>
<tr>
<td>TR-7A</td>
<td>round head</td>
<td>7 dia 9/32</td>
</tr>
<tr>
<td>TR-9A</td>
<td>round head</td>
<td>9 dia 3/8</td>
</tr>
<tr>
<td>TR-11A</td>
<td>round head</td>
<td>11 dia 7/16</td>
</tr>
<tr>
<td>TR-10D</td>
<td>pine head</td>
<td>10 &amp; 15 ht.</td>
</tr>
</tbody>
</table>

LANDSCAPE FOLIAGE PACKS  - Our most popular textures and colors combined into multi packs. LF codes are foliage, BLOS are blossoms.

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

See the following pages for color description of above codes. Packed in clam shells with usage 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.
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-1EG or LFS-1LG) into white glue and then dab in blossoms and let dry.

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
Landscaping Materials

GRAVELS, SCREENINGS & MULCH

Deep coloured gravels for a variety of applications. Perfect for ballast in model railways, dollhouse gardens, screenings in other models. Apply to terrain with white glue, Gloop, or Silicone. Bulk packs available.

<table>
<thead>
<tr>
<th>Material</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRV-FTC</td>
<td>Fine Terra Cotta</td>
<td>300g</td>
</tr>
<tr>
<td>GRV-MBL</td>
<td>Medium Black</td>
<td>300g</td>
</tr>
<tr>
<td>GRV-FBL</td>
<td>Fine Black</td>
<td>300g</td>
</tr>
<tr>
<td>GRV-FGY</td>
<td>Fine Grey</td>
<td>300g</td>
</tr>
<tr>
<td>GRV-FBR</td>
<td>Fine Brown</td>
<td>300g</td>
</tr>
<tr>
<td>GRV-FBU</td>
<td>Fine Buff</td>
<td>300g</td>
</tr>
<tr>
<td>GRV-MWH</td>
<td>Medium White</td>
<td>300g</td>
</tr>
<tr>
<td>GRV-FWH</td>
<td>Fine White</td>
<td>300g</td>
</tr>
<tr>
<td>PBL</td>
<td>Mixed pebbles</td>
<td>150g</td>
</tr>
<tr>
<td>GRV-C</td>
<td>Coarse mix</td>
<td>150g</td>
</tr>
</tbody>
</table>

**MULCH - Interior & Exterior**

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL-1TC</td>
<td>125ml (1/2 cup)</td>
</tr>
<tr>
<td>MUL-1BK</td>
<td>125ml (1/2 cup)</td>
</tr>
<tr>
<td>MUL-4TC</td>
<td>1 Lt. (4 cups)</td>
</tr>
<tr>
<td>MUL-4BK</td>
<td>1 Lt. (4 cups)</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9&quot;</td>
<td>18'</td>
<td>24'</td>
<td>36'</td>
<td>63'</td>
<td>117'</td>
<td>162'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8&quot;</td>
<td>16'</td>
<td>21'</td>
<td>32'</td>
<td>56'</td>
<td>104'</td>
<td>144'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7&quot;</td>
<td>14'</td>
<td>18'</td>
<td>28'</td>
<td>49'</td>
<td>91'</td>
<td>126'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6&quot;</td>
<td>12'</td>
<td>16'</td>
<td>24'</td>
<td>42'</td>
<td>78'</td>
<td>108'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5&quot;</td>
<td>10'</td>
<td>13'</td>
<td>20'</td>
<td>35'</td>
<td>65'</td>
<td>90'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4&quot;</td>
<td>8'</td>
<td>10'</td>
<td>16'</td>
<td>28'</td>
<td>52'</td>
<td>72'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3&quot;</td>
<td>6'</td>
<td>8'</td>
<td>12'</td>
<td>21'</td>
<td>39'</td>
<td>54'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2&quot;</td>
<td>4'</td>
<td>5'</td>
<td>8'</td>
<td>14'</td>
<td>26'</td>
<td>36'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>2'</td>
<td>2'</td>
<td>4'</td>
<td>7'</td>
<td>13'</td>
<td>18'</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

**POUNTFAINS** 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 applications. Sold individually.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Base Size</th>
<th>Style</th>
<th>Size (mm in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTNS-32</td>
<td>Cloverleaf/square</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>FTNS-48</td>
<td>Cloverleaf/square</td>
<td>35</td>
<td>1 3/8</td>
</tr>
<tr>
<td>FTNS-76</td>
<td>Cloverleaf/square</td>
<td>60</td>
<td>2 3/8</td>
</tr>
</tbody>
</table>

**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 colored divisions. Each package has a random assortment of umbrella colours.

<table>
<thead>
<tr>
<th>Style A</th>
<th>Style B</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Pkg.</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAT-100W</td>
<td>2 sets</td>
<td>1/8&quot;, 1:100</td>
</tr>
<tr>
<td>PAT-200W</td>
<td>3 sets</td>
<td>1/16&quot;, 1:200</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Style</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEN-24</td>
<td>A</td>
<td>1/2&quot;, 1:24</td>
<td>Standard park bench</td>
<td>2</td>
</tr>
<tr>
<td>BEN-48</td>
<td>A</td>
<td>1/4&quot;, 1:48</td>
<td>Standard park bench</td>
<td>4</td>
</tr>
<tr>
<td>BEN-100</td>
<td>A</td>
<td>1/8&quot;, 1:100</td>
<td>Standard park bench</td>
<td>6</td>
</tr>
<tr>
<td>BEN-200</td>
<td>A</td>
<td>1/16&quot;, 1:200</td>
<td>Standard park bench</td>
<td>8</td>
</tr>
<tr>
<td>BENO-48</td>
<td>B</td>
<td>1/4&quot;, 1:48</td>
<td>Colonial-style bench</td>
<td>2</td>
</tr>
<tr>
<td>BENO-100</td>
<td>B</td>
<td>1/8&quot;, 1:100</td>
<td>Colonial-style bench</td>
<td>3</td>
</tr>
</tbody>
</table>

**PLAYGROUND SETS** Complete sets of playground equipment including swings, slide, seesaw and three benches. Molded in coloured polyethylene & styrene. (8 pc sets)

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Pkg.</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAY-48</td>
<td>5</td>
<td>81/4&quot;, 1:48</td>
</tr>
<tr>
<td>PLAY-100</td>
<td>6</td>
<td>1/8&quot;, 1:100</td>
</tr>
<tr>
<td>PLAY-200</td>
<td>6</td>
<td>1/16&quot;, 1:200</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description/Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLM-48</td>
<td>1/4&quot;, 1:48</td>
<td>Master: 1 double w/headboard, 2 dressers, 2 pictures &amp; mirror</td>
</tr>
<tr>
<td>HLB-48</td>
<td>1/4&quot;, 1:48</td>
<td>2 singles, 1 dresser, 1 night table, 3 pictures</td>
</tr>
<tr>
<td>HLB-100</td>
<td>1/8&quot;, 1:100</td>
<td>1 double, 2 singles w/headboards, 4 dressers, 1 night table, 3 pictures</td>
</tr>
<tr>
<td>BED-24</td>
<td>1/2&quot;, 1:24</td>
<td>1 bed</td>
</tr>
<tr>
<td>BED-48</td>
<td>1/4&quot;, 1:48</td>
<td>2 single beds &amp; 1 double bed with headboard</td>
</tr>
<tr>
<td>BED-100</td>
<td>1/8&quot;, 1:100</td>
<td>2 beds</td>
</tr>
<tr>
<td>BDRW-24</td>
<td>1/2&quot;, 1:24</td>
<td>2 dressers</td>
</tr>
<tr>
<td>BDRW-48</td>
<td>1/4&quot;, 1:48</td>
<td>4 dressers, 1 night table</td>
</tr>
<tr>
<td>BDRW-100</td>
<td>1/8&quot;, 1:100</td>
<td>6 dressers, 2 night tables</td>
</tr>
<tr>
<td>BNTB-24</td>
<td>1/2&quot;, 1:24</td>
<td>2 night tables</td>
</tr>
<tr>
<td>BNTB-48</td>
<td>1/4&quot;, 1:48</td>
<td>4 night tables</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description/Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLL-48</td>
<td>1/4&quot;, 1:48</td>
<td>Sectional couch, chairs, floor lamp, pictures, stereo, coffee table &amp; phone</td>
</tr>
<tr>
<td>HLL-100</td>
<td>1/8&quot;, 1:100</td>
<td>Sectional couch, chairs, picture, television, bar &amp; barstools</td>
</tr>
<tr>
<td>HLL-100</td>
<td>1/8&quot;, 1:100</td>
<td>Sectional couch, chairs, picture, television, bar &amp; barstools</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description/contents</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLD-48</td>
<td>1/4&quot;, 1:48</td>
<td>table, 8 chairs, buffet &amp; picture</td>
<td>11</td>
</tr>
<tr>
<td>HLD-100</td>
<td>1/8&quot;, 1:100</td>
<td>table, 8 chairs, buffet &amp; picture</td>
<td>11</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description/contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBLD-24</td>
<td>1/2&quot;, 1:24</td>
<td>table, four chairs</td>
</tr>
<tr>
<td>TBLD-48</td>
<td>1/4&quot;, 1:48</td>
<td>table, eight chairs</td>
</tr>
<tr>
<td>TBLD-100</td>
<td>1/8&quot;, 1:100</td>
<td>table, eight chairs</td>
</tr>
<tr>
<td>SCR-24</td>
<td>1/2&quot;, 1:24</td>
<td>3 section folding screen</td>
</tr>
</tbody>
</table>

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).

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Pkg</th>
<th>Style</th>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHRC-24F</td>
<td>1</td>
<td>A</td>
<td>Armed lounge chair</td>
<td>cast resin</td>
</tr>
<tr>
<td>CHRC-24E</td>
<td>1</td>
<td>B</td>
<td>Armless lounge chair</td>
<td>cast resin</td>
</tr>
<tr>
<td>CHRC-24H</td>
<td>2</td>
<td>D</td>
<td>Rung back chair</td>
<td>injection molded</td>
</tr>
<tr>
<td>CHRC-24G</td>
<td>2</td>
<td>E</td>
<td>Fan back chair</td>
<td>injection molded</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description/contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBLR-48</td>
<td>1/4&quot;, 1:48</td>
<td>Four tables, sixteen chairs</td>
</tr>
<tr>
<td>TBLR-100</td>
<td>1/8&quot;, 1:100</td>
<td>Six tables, twenty-four chairs</td>
</tr>
</tbody>
</table>

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

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”.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description/contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIC-A</td>
<td>1/4&quot;, 1:48</td>
<td>11 assorted pictures &amp; Mirrors</td>
</tr>
<tr>
<td>CLK-A</td>
<td>1/4&quot;, 1:48</td>
<td>4 assorted clocks</td>
</tr>
</tbody>
</table>
**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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Style</th>
<th>Scale (1:24)</th>
<th>Description/Type of material</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTV-24 A</td>
<td></td>
<td>1/2&quot;, (1:24)</td>
<td>Television / cast resin</td>
</tr>
<tr>
<td>HTVS-24 B</td>
<td></td>
<td>1/2&quot;, (1:24)</td>
<td>Television stand / cast resin</td>
</tr>
<tr>
<td>HTVF-24</td>
<td></td>
<td>not shown</td>
<td>42&quot; flat screen TV (1 3/4&quot; wide) cast resin</td>
</tr>
<tr>
<td>TV-48 C</td>
<td></td>
<td>1/4&quot;, (1:48)</td>
<td>Big screen TV, 36&quot; TV, stereo &amp; speakers / poly</td>
</tr>
<tr>
<td>HPC-24 D</td>
<td></td>
<td>1/2&quot;, (1:24)</td>
<td>Four piece computer &amp; printer / cast resin</td>
</tr>
<tr>
<td>OFEQ-48 E</td>
<td></td>
<td>1/4&quot;, (1:48)</td>
<td>10pc office eqip. fax, phone, computer, calc/poly</td>
</tr>
</tbody>
</table>

**SEWING MACHINE 1/4 (1:48)**

This sewing machine is molded brown polyethylene case and green machine.

1 per pack

**OFFICE FURNITURE IN 1/4 (1:48) SCALE**

Professional quality office furnishings injection-molded in white styrene.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale (1:48)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRED-48</td>
<td>1/4&quot;, 1:48</td>
<td>Credenza</td>
</tr>
<tr>
<td>DESK-48</td>
<td>1/4&quot;, 1:48</td>
<td>Desk</td>
</tr>
<tr>
<td>CHRA-48</td>
<td>1/4&quot;, 1:48</td>
<td>Arm swivel chair</td>
</tr>
<tr>
<td>CHRS-48</td>
<td>1/4&quot;, 1:48</td>
<td>Swivel chair</td>
</tr>
</tbody>
</table>

**MUSICAL INSTRUMENTS**

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale (1:48)</th>
<th>Description/contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIAN-48</td>
<td>1/4&quot;, 1:48</td>
<td>1 piano &amp; stool, 4 violins, 2 cello, 1 bass</td>
</tr>
<tr>
<td>PIAN-24</td>
<td>1/2&quot;, 1:24</td>
<td>Grand piano &amp; stool</td>
</tr>
<tr>
<td>PIAN-100</td>
<td>1/8&quot;, 1:100</td>
<td>Grand piano &amp; stool</td>
</tr>
<tr>
<td>ORGN-24</td>
<td>1/2&quot;, 1:24</td>
<td>Organ &amp; stool</td>
</tr>
<tr>
<td>ORGN-48</td>
<td>1/4&quot;, 1:48</td>
<td>Organ &amp; stool</td>
</tr>
</tbody>
</table>

**THEATRE SEATS**

Available in 1/2" (1:24) - 1/8" (1:100) scales.

Molded in brown polyethylene. (THES-48 is white styrene)

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale (1:24)</th>
<th>Description/contents</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>THES-24</td>
<td>1/2&quot;, 1:24</td>
<td>1 row of 4 seats</td>
<td>Brown</td>
</tr>
<tr>
<td>THES-48</td>
<td>1/4&quot;, 1:48</td>
<td>1 row of 6 seats</td>
<td>White</td>
</tr>
<tr>
<td>THES-100</td>
<td>1/8&quot;, 1:100</td>
<td>1 row of 16 seats</td>
<td>Brown</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Item</th>
<th>Description</th>
<th>Type of material</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED-24</td>
<td>A</td>
<td>Pedestal sink (white)</td>
<td>Injection molded styrene</td>
</tr>
<tr>
<td>TOIL-24</td>
<td>B</td>
<td>High Toilet (white)</td>
<td>Urethane resin casting</td>
</tr>
<tr>
<td>TOIL-24</td>
<td>C</td>
<td>Low Toilet (white)</td>
<td>Urethane resin casting</td>
</tr>
<tr>
<td>OVT-24W</td>
<td>D</td>
<td>Oval tub (white)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>OVT-24C</td>
<td>D</td>
<td>Oval tub (clear)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>OBT-24W</td>
<td>E</td>
<td>Standard tub (white)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>OBT-24C</td>
<td>E</td>
<td>Standard tub (clear)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>HTB-24W</td>
<td>F</td>
<td>Hot tub (white)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>HTB-24C</td>
<td>F</td>
<td>Hot tub (clear)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>VAS-24W</td>
<td>G</td>
<td>Vanity sink (white)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>VAS-24C</td>
<td>G</td>
<td>Vanity sink (clear)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>SKS-24SS</td>
<td>H</td>
<td>Single kitchen sink (metallic)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>SKS-24C</td>
<td>H</td>
<td>Single kitchen sink (clear)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>DKS-24SS</td>
<td>I</td>
<td>Double kitchen sink (metallic)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>DKS-24C</td>
<td>I</td>
<td>Double kitchen sink (clear)</td>
<td>Vacuum-formed styrene</td>
</tr>
<tr>
<td>FVS-24G</td>
<td>J</td>
<td>Faucet - vanity, tub or kitchen</td>
<td>Gold tone pewter</td>
</tr>
<tr>
<td>TUBS-24</td>
<td>K</td>
<td>Fully enclosed tub (white)</td>
<td>Polyethylene</td>
</tr>
</tbody>
</table>

BATHROOM FIXTURES A collection of bathroom fixture sets and separate items varying in scale and contents. Check carefully the contents of each item in the scale you require. Molded in white polyethylene.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description/contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLH-48</td>
<td>1/4&quot;, 1:48</td>
<td>1 tub, 2 sinks, 2 toilets, 2 mirrors, 1 heater</td>
</tr>
<tr>
<td>HLH-100</td>
<td>1/8&quot;, 1:100</td>
<td>1 tub, 2 sinks, 2 toilets, 2 mirrors, 1 heater</td>
</tr>
<tr>
<td>TOLS-24</td>
<td>1/2&quot;, 1:24</td>
<td>1 toilet, 1 sink</td>
</tr>
<tr>
<td>TOLS-48</td>
<td>1/4&quot;, 1:48</td>
<td>1 toilet, 1 sink</td>
</tr>
<tr>
<td>TOLS-100</td>
<td>1/8&quot;, 1:100</td>
<td>1 toilet, 1 sink</td>
</tr>
<tr>
<td>TUBS-24</td>
<td>1/2&quot;, 1:24</td>
<td>1 bathtub</td>
</tr>
<tr>
<td>TUBS-48</td>
<td>1/4&quot;, 1:48</td>
<td>2 bathtubs</td>
</tr>
<tr>
<td>TUBS-100</td>
<td>1/8&quot;, 1:100</td>
<td>2 bathtubs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPL-24F</td>
<td>A</td>
<td>Refrigerator</td>
</tr>
<tr>
<td>APPL-24S</td>
<td>B</td>
<td>Stove</td>
</tr>
<tr>
<td>APPL-24W</td>
<td>C</td>
<td>Washer</td>
</tr>
<tr>
<td>APPL-24D</td>
<td>D</td>
<td>Dryer</td>
</tr>
<tr>
<td>APPL-24DW</td>
<td>E</td>
<td>Dishwasher</td>
</tr>
<tr>
<td>APPL-24AF</td>
<td>F</td>
<td>Apartment refrigerator</td>
</tr>
<tr>
<td>APPL-24M</td>
<td>G</td>
<td>Microwave</td>
</tr>
</tbody>
</table>

KITCHEN SETS Available in 1/2" (1:24), 1/4" (1:48) and 1/8" (1:100) scales. Include counters, cabinets, and appliances. Molded in white polyethylene.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description/contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLK-24</td>
<td>1/2&quot;, 1:24</td>
<td>3 cabinets, fridge, stove, table, one chair</td>
</tr>
<tr>
<td>HLK-48</td>
<td>1/4&quot;, 1:48</td>
<td>3 cabinets, fridge, stove, table, one chair</td>
</tr>
<tr>
<td>HLK-100</td>
<td>1/8&quot;, 1:100</td>
<td>3 cabinets, fridge, stove, table, one chair</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABL-242</td>
<td>A</td>
<td>Vanity/Kitchen lower 42&quot; wide</td>
</tr>
<tr>
<td>CABU-242</td>
<td>B</td>
<td>Kitchen upper 42&quot; wide</td>
</tr>
<tr>
<td>CABL-232</td>
<td>C</td>
<td>Vanity/Kitchen lower 32&quot; wide</td>
</tr>
<tr>
<td>CABU-232</td>
<td>D</td>
<td>Kitchen upper 32&quot; wide</td>
</tr>
</tbody>
</table>
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) SCALECarrying 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) SCALEAvailable 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Style</th>
<th>Description</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAS-12W</td>
<td>A</td>
<td>Drop in vanity sink</td>
<td>white</td>
</tr>
<tr>
<td>VAS-12C</td>
<td>A</td>
<td>Drop in vanity sink</td>
<td>clear</td>
</tr>
<tr>
<td>WSS-12W</td>
<td>B</td>
<td>Wall washstand</td>
<td>white</td>
</tr>
<tr>
<td>WSS-12C</td>
<td>B</td>
<td>Wall washstand</td>
<td>clear</td>
</tr>
<tr>
<td>PED-12W</td>
<td>C</td>
<td>Pedestal sink</td>
<td>white</td>
</tr>
<tr>
<td>PED-12C</td>
<td>C</td>
<td>Pedestal sink</td>
<td>clear</td>
</tr>
<tr>
<td>TOL-12GW</td>
<td>D</td>
<td>Toilet/gold flusher</td>
<td>white</td>
</tr>
<tr>
<td>TOL-12SW</td>
<td>D</td>
<td>Toilet/silver flusher</td>
<td>white</td>
</tr>
<tr>
<td>TOL-12GC</td>
<td>D</td>
<td>Toilet/gold flusher</td>
<td>clear</td>
</tr>
<tr>
<td>TOL-12SC</td>
<td>D</td>
<td>Toilet/silver flusher</td>
<td>clear</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPR-12GW</td>
<td>Gold faucets/White</td>
<td>SPR-12GC</td>
<td>Gold faucets/Clear</td>
</tr>
<tr>
<td>SPR-12SW</td>
<td>Silver faucets/White</td>
<td>SPR-12SC</td>
<td>Silver faucets/Clear</td>
</tr>
</tbody>
</table>
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 a minimum of 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 OCTAGONAL  (D)  1:12  This hot tub is great for either indoor or outdoor scenes. Available in white or clear, this tub comes with a few materials (a small aquarium air pump, some plastic tubing and some silicone) which 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 38mm (1 1/2").
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:  HTB-24  clear only.

HOT TUB KIT  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. (Lanscaping, 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-12 packaged in a blister pack as a set with either silver or gold faucets and shower head.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBT-12GW</td>
<td>Gold faucets/White tub</td>
<td>SBT-12GC</td>
<td>Gold faucets/Clear tub</td>
</tr>
<tr>
<td>SBT-12SW</td>
<td>Silver faucets/White tub</td>
<td>SBT-12SC</td>
<td>Silver faucets/Clear tub</td>
</tr>
</tbody>
</table>

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 STICK'M 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)
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: The 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 base-plate, 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Fancy</th>
<th>Order Code</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>FVSN-12G</td>
<td>Gold vanity faucets</td>
<td>FVSN-12S</td>
<td>Silver vanity faucets</td>
</tr>
<tr>
<td>FSHN-12G</td>
<td>Gold shower/bath faucets</td>
<td>FSHN-12S</td>
<td>Silver shower/tub faucets</td>
</tr>
<tr>
<td>FKS-12S</td>
<td>Silver kitchen sink faucets</td>
<td>FVSN-24G</td>
<td>1:24 faucet gold only</td>
</tr>
</tbody>
</table>

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 modeling applications. Each figure has a molded-in pin for easy fastening to the model surface.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-4</td>
<td>1/4” 1:48</td>
<td>Standing figures</td>
<td>6</td>
</tr>
<tr>
<td>PE-7</td>
<td>1” = 87”</td>
<td>Standing figures</td>
<td>12</td>
</tr>
<tr>
<td>PE-8</td>
<td>1/8” 1:100</td>
<td>Standing figures</td>
<td>40</td>
</tr>
<tr>
<td>PE-10</td>
<td>3/32” 1:150</td>
<td>Standing figures</td>
<td>40</td>
</tr>
<tr>
<td>PE-16</td>
<td>1” = 16’</td>
<td>Standing figures</td>
<td>120</td>
</tr>
<tr>
<td>PE-20</td>
<td>1” = 20’</td>
<td>Standing figures</td>
<td>120</td>
</tr>
<tr>
<td>PE-32</td>
<td>1” = 32’</td>
<td>Standing figures</td>
<td>120</td>
</tr>
<tr>
<td>PE-48SP</td>
<td>1/4”, 1:48</td>
<td>Standing figures</td>
<td>5</td>
</tr>
<tr>
<td>PE-8SP</td>
<td>1/8”, 1:100</td>
<td>Standing figures</td>
<td>10</td>
</tr>
<tr>
<td>PE-16SP</td>
<td>1/16”, 1:200</td>
<td>Standing figures</td>
<td>10</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFI-24P</td>
<td>1/2”, 1:24</td>
<td>Standing figures</td>
<td>4</td>
</tr>
<tr>
<td>PFI-48P</td>
<td>1/4”, 1:50</td>
<td>Standing figures</td>
<td>6</td>
</tr>
<tr>
<td>PFI-48FM</td>
<td>1/4”, 1:50</td>
<td>Family figures</td>
<td>6</td>
</tr>
<tr>
<td>PFI-48CH</td>
<td>1/4”, 1:50</td>
<td>Children</td>
<td>6</td>
</tr>
<tr>
<td>PFI-485</td>
<td>1/4”, 1:50</td>
<td>Sitting figures</td>
<td>6</td>
</tr>
<tr>
<td>PFI-100P</td>
<td>1/8”, 1:100</td>
<td>Standing figures</td>
<td>9</td>
</tr>
<tr>
<td>PFI-100FM</td>
<td>1/8”, 1:100</td>
<td>Family figures</td>
<td>9</td>
</tr>
<tr>
<td>PFI-100CH</td>
<td>1/8”, 1:100</td>
<td>Children</td>
<td>9</td>
</tr>
<tr>
<td>PFI-100S</td>
<td>1/8”, 1:100</td>
<td>Sitting figures</td>
<td>9</td>
</tr>
<tr>
<td>PFI-200P</td>
<td>1/16”, 1:200</td>
<td>Standing figures</td>
<td>18</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>93311</td>
<td>1/4”, 1:50</td>
<td>Standing figures</td>
<td>3</td>
</tr>
<tr>
<td>93301</td>
<td>1/4”, 1:50</td>
<td>Reaching</td>
<td>3</td>
</tr>
<tr>
<td>93312</td>
<td>3/8”, 1:32</td>
<td>Standing figures</td>
<td>2</td>
</tr>
<tr>
<td>93302</td>
<td>3/8”, 1:32</td>
<td>Reaching</td>
<td>2</td>
</tr>
<tr>
<td>93313</td>
<td>1/2”, 1:24</td>
<td>Standing figures</td>
<td>2</td>
</tr>
<tr>
<td>93303</td>
<td>1/2”, 1:24</td>
<td>Reaching</td>
<td>2</td>
</tr>
<tr>
<td>93314</td>
<td>3/4”, 1:16</td>
<td>Standing figures</td>
<td>1</td>
</tr>
<tr>
<td>93304</td>
<td>3/4”, 1:16</td>
<td>Reaching</td>
<td>1</td>
</tr>
</tbody>
</table>

PAINTED FIGURES IN 1/16 ›1/2 , (1:200 › 1:24) SCALE 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, representing good value. Sets of figures include standing figures, sitting figures, families, and children. Figures have pins molded into one foot for easy

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COW-48</td>
<td>Cows 1:48</td>
<td>Not Shown</td>
<td>4</td>
</tr>
<tr>
<td>HORS-48</td>
<td>Horses 1:48</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>ANIM-48</td>
<td>Assort. horses, cows, sheep, pigs chickens</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>DOG-48</td>
<td>Dogs 1:48</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Colour</th>
<th>Pkg</th>
<th>Styles</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-8V</td>
<td>1/8&quot; = 1'</td>
<td>1:100</td>
<td>Mixed</td>
<td>4</td>
</tr>
<tr>
<td>C-8VW</td>
<td>1/8&quot; = 1'</td>
<td>1:100</td>
<td>white</td>
<td>4</td>
</tr>
<tr>
<td>C-8VW/500</td>
<td>1/8&quot; = 1'</td>
<td>1:100</td>
<td>white</td>
<td>500</td>
</tr>
<tr>
<td>C-10V</td>
<td>3/32&quot; = 1'</td>
<td>1:125</td>
<td>mixed</td>
<td>6</td>
</tr>
<tr>
<td>C-10VW</td>
<td>3/32&quot; = 1'</td>
<td>1:125</td>
<td>white</td>
<td>6</td>
</tr>
<tr>
<td>C10VW/500</td>
<td>3/32&quot; = 1'</td>
<td>1:125</td>
<td>mixed</td>
<td>500</td>
</tr>
<tr>
<td>C-16V</td>
<td>1/16&quot; = 1'</td>
<td>1:200</td>
<td>mixed</td>
<td>20</td>
</tr>
<tr>
<td>C-16VW</td>
<td>1/16&quot; = 1'</td>
<td>1:200</td>
<td>white</td>
<td>20</td>
</tr>
<tr>
<td>C-16VWM</td>
<td>1/16&quot; = 1'</td>
<td>1:200</td>
<td>white</td>
<td>1000</td>
</tr>
<tr>
<td>C-20VW</td>
<td>3/64&quot; = 1'</td>
<td>1:250</td>
<td>white</td>
<td>20</td>
</tr>
<tr>
<td>C-20VWM</td>
<td>3/64&quot; = 1'</td>
<td>1:250</td>
<td>white</td>
<td>1000</td>
</tr>
<tr>
<td>C-30VW</td>
<td>1/32&quot; = 1'</td>
<td>1:400</td>
<td>white</td>
<td>50</td>
</tr>
<tr>
<td>C-30VW/M</td>
<td>1/32&quot; = 1'</td>
<td>1:400</td>
<td>white</td>
<td>1000</td>
</tr>
<tr>
<td>C-40VW</td>
<td>1&quot; = 40'</td>
<td>1:500</td>
<td>white</td>
<td>50</td>
</tr>
<tr>
<td>C-40VW/M</td>
<td>1&quot; = 40'</td>
<td>1:500</td>
<td>white</td>
<td>1000</td>
</tr>
<tr>
<td>C-50V</td>
<td>1&quot; = 50'</td>
<td>1:600</td>
<td>mixed</td>
<td>50</td>
</tr>
<tr>
<td>C-50VW</td>
<td>1&quot; = 50'</td>
<td>1:600</td>
<td>white</td>
<td>50</td>
</tr>
<tr>
<td>C-60VW</td>
<td>1&quot; = 60'</td>
<td>1:750</td>
<td>white</td>
<td>50</td>
</tr>
<tr>
<td>C-60VW/M</td>
<td>1&quot; = 60'</td>
<td>1:750</td>
<td>white</td>
<td>1000</td>
</tr>
<tr>
<td>C-80VW</td>
<td>1&quot; = 80'</td>
<td>1:1000</td>
<td>white</td>
<td>50</td>
</tr>
<tr>
<td>C-80VW/M</td>
<td>1&quot; = 80'</td>
<td>1:1000</td>
<td>white</td>
<td>1000</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Pkg</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAR-48</td>
<td>1/4&quot; (1:48)</td>
<td>2</td>
</tr>
<tr>
<td>CAR-100</td>
<td>1/8&quot; (1:100)</td>
<td>3</td>
</tr>
<tr>
<td>CAR-200</td>
<td>1/16&quot;, (1:200)</td>
<td>8</td>
</tr>
<tr>
<td>CAR-250</td>
<td>3/64&quot;, (1:250)</td>
<td>8</td>
</tr>
<tr>
<td>CAR-500</td>
<td>1&quot;=40&quot;, (1:500)</td>
<td>16</td>
</tr>
</tbody>
</table>
**Architectural Accessories**

**Buses & Gas Trucks (1:100 & 1:200) Scale**
Injection molded in polyethylene and painted for a realistic look.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS-100</td>
<td>1/8&quot; (1:100)</td>
<td>School bus</td>
<td>1</td>
</tr>
<tr>
<td>BUS-200</td>
<td>1/16&quot; (1:200)</td>
<td>School bus</td>
<td>2</td>
</tr>
<tr>
<td>PIPE-100</td>
<td>1/8&quot; (1:100)</td>
<td>Gas Truck</td>
<td>1</td>
</tr>
<tr>
<td>PIPE-200</td>
<td>1/16&quot; (1:200)</td>
<td>Gas Truck</td>
<td>2</td>
</tr>
</tbody>
</table>

**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".

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT-250C</td>
<td>1:250</td>
<td>Cruiser</td>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>BT-600A</td>
<td>1:600</td>
<td>Cruiser</td>
<td>5</td>
<td>B</td>
</tr>
<tr>
<td>BT-600B</td>
<td>1:600</td>
<td>Sailboat</td>
<td>5</td>
<td>C</td>
</tr>
<tr>
<td>BT-1200A</td>
<td>1:1200</td>
<td>Cruiser</td>
<td>5</td>
<td>D</td>
</tr>
<tr>
<td>BT-1200B</td>
<td>1:1200</td>
<td>Sailboat</td>
<td>5</td>
<td>E</td>
</tr>
<tr>
<td>BT-1200C</td>
<td>1:1200</td>
<td>Freighter/barge</td>
<td>3</td>
<td>F</td>
</tr>
</tbody>
</table>

**Buses & 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Pkg.</th>
<th>Scale</th>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTS-100</td>
<td>3</td>
<td>1/8&quot;</td>
<td>1:100 3 Boats, 1 Sails</td>
<td>White polyethylene</td>
</tr>
<tr>
<td>BTS-200</td>
<td>10</td>
<td>1/16&quot;</td>
<td>1:200 10 Boats, 2 Sails</td>
<td>White polyethylene</td>
</tr>
</tbody>
</table>

**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       | Description       | Length | |
|------------|-------|-------------|-------------------|--------|
| BT-100A    | A     | 1/8" 1:100  | Cruiser           | 73     |
| BT-100B    | B     | 1/8" 1:100  | Sailboat          | 89     |
| BT-100D    | C     | 1/8" 1:100  | Speedboat         | 48     |
| BT-200A    | D     | 1/16" 1:200 | Cruiser           | 35     |
| BT-200B    | E     | 1/16" 1:200 | Sailboat          | 73     |
| BT-200C    | F     | 1/16" 1:200 | Cruiser           | 48     |
| BT-200E    | G     | 1/16" 1:200 | Cruiser           | 51     |
| BT-200F    | H     | 1/16" 1:200 | Sailboat          | 63     |
| BT-250D    | I     | 1/20" 1:250 | Cruiser           | 38     |
| BT-250F    | J     | 1/20" 1:250 | Sailboat          | 42     |

**Airplanes**
A variety of planes in silver or white polyethylene.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR-1000</td>
<td>1:1000</td>
<td>Polyethylene</td>
<td>8 (6 small, 2 concords)</td>
</tr>
<tr>
<td>AIR-500</td>
<td>1:500</td>
<td>Polyethylene</td>
<td>5 (4 small, 1 concord)</td>
</tr>
<tr>
<td>AIR-200</td>
<td>1:200</td>
<td>Polyethylene</td>
<td>3 (3 small)</td>
</tr>
</tbody>
</table>

**Street Lamps in Various Scales**
These non-working street lamps are injection molded styrene which can be painted.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Desc.</th>
<th>Scale</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLV-200</td>
<td>Village lamp</td>
<td>1/16&quot;, 1:200</td>
<td>6 (3 each)</td>
</tr>
<tr>
<td>SLB-9</td>
<td>Ball lamp top</td>
<td>3/8&quot;, 9mm dia</td>
<td>7</td>
</tr>
<tr>
<td>SLB-7</td>
<td>Ball lamp top</td>
<td>1/4&quot;, 6.5mm dia</td>
<td>15</td>
</tr>
<tr>
<td>SLB-5</td>
<td>Ball lamp top</td>
<td>3/16&quot;, 5mm dia</td>
<td>19</td>
</tr>
</tbody>
</table>

SLBs are intended to use as tops in clusters or alone. Post not included.
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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Description</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLD-48</td>
<td>1/4&quot;, 1:48</td>
<td>Double/single street lamp</td>
<td>2</td>
</tr>
<tr>
<td>SLD-100</td>
<td>1/8&quot;, 1:100</td>
<td>Double/single street lamp</td>
<td>4</td>
</tr>
<tr>
<td>SLD-48</td>
<td>1/8&quot;, 1:100</td>
<td>Double/single street lamp</td>
<td>4</td>
</tr>
<tr>
<td>SLD-200</td>
<td>1/16&quot;, 1:200</td>
<td>Double/single street lamp</td>
<td>6</td>
</tr>
<tr>
<td>SLD-250</td>
<td>1&quot;=20', 1:250</td>
<td>Double/single street lamp</td>
<td>8</td>
</tr>
<tr>
<td>SLD-500</td>
<td>1&quot;=40', 1:500</td>
<td>Double/single street lamp</td>
<td>10</td>
</tr>
<tr>
<td>SLO-48</td>
<td>1/4&quot;, 1:48</td>
<td>Colonial street lamp</td>
<td>2</td>
</tr>
<tr>
<td>SLO-100</td>
<td>1/8&quot;, 1:100</td>
<td>Colonial street lamp</td>
<td>4</td>
</tr>
<tr>
<td>TLT-48</td>
<td>1/4&quot;, 1:48</td>
<td>Traffic lights</td>
<td>2</td>
</tr>
<tr>
<td>TLT-100</td>
<td>1/8&quot;, 1:100</td>
<td>Traffic lights</td>
<td>4</td>
</tr>
<tr>
<td>TLT-200</td>
<td>1/16&quot;, 1:200</td>
<td>Traffic lights</td>
<td>6</td>
</tr>
<tr>
<td>TELP-48</td>
<td>1/4&quot;, 1:48</td>
<td>Telephone poles</td>
<td>2</td>
</tr>
<tr>
<td>TELP-100</td>
<td>1/8&quot;, 1:100</td>
<td>Telephone poles</td>
<td>4</td>
</tr>
<tr>
<td>TELP-200</td>
<td>1/16&quot;, 1:200</td>
<td>Telephone poles</td>
<td>6</td>
</tr>
<tr>
<td>GAS-48</td>
<td>1/4&quot;, 1:48</td>
<td>Gas pumps</td>
<td>2</td>
</tr>
<tr>
<td>GAS-100</td>
<td>1/8&quot;, 1:100</td>
<td>Gas pumps</td>
<td>4</td>
</tr>
</tbody>
</table>

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-350, OIL-550 & OIL-800) can be assembled into a single three piece tower. Key dimensions rather than suggested scale are provided in the table below.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Style</th>
<th>Description</th>
<th>Dimension mm</th>
<th>in.</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OIL-350</td>
<td>A</td>
<td>Tower, top section</td>
<td>Height: 95</td>
<td>3 3/4</td>
<td>2</td>
</tr>
<tr>
<td>OIL-550</td>
<td>A</td>
<td>Tower, middle section</td>
<td>Height: 135</td>
<td>5 5/16</td>
<td>1</td>
</tr>
<tr>
<td>OIL-800</td>
<td>A</td>
<td>Tower, bottom section</td>
<td>Height: 200</td>
<td>7 7/8</td>
<td>1</td>
</tr>
<tr>
<td>TANK-25</td>
<td>B</td>
<td>Water tank</td>
<td>Diameter: 6</td>
<td>1/4</td>
<td>8</td>
</tr>
<tr>
<td>TANK-50</td>
<td>B</td>
<td>Water tank</td>
<td>Diameter: 12.5</td>
<td>1/2</td>
<td>4</td>
</tr>
<tr>
<td>TANK-100</td>
<td>B</td>
<td>Water tank</td>
<td>Diameter: 25</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>TANK-175</td>
<td>B</td>
<td>Water tank</td>
<td>Diameter: 45</td>
<td>1 3/4</td>
<td>1</td>
</tr>
<tr>
<td>OIL-100</td>
<td>C</td>
<td>Oil Tank</td>
<td>Diameter: 25</td>
<td>1&quot;</td>
<td>4</td>
</tr>
<tr>
<td>OIL-200</td>
<td>C</td>
<td>Oil Tank</td>
<td>Diameter: 50</td>
<td>2&quot;</td>
<td>2</td>
</tr>
</tbody>
</table>

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%.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Style</th>
<th>Pkg</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH-50</td>
<td>1&quot;=50', 1:600</td>
<td>A</td>
<td>10</td>
</tr>
<tr>
<td>AH-100</td>
<td>1&quot;=100', 1:1200</td>
<td>B</td>
<td>10</td>
</tr>
<tr>
<td>AH-150</td>
<td>1&quot;=150', 1:1800</td>
<td>C</td>
<td>10</td>
</tr>
</tbody>
</table>

HOUSES These houses are molded in two parts which require assembly. The house is white polyethylene, the roof is green or red.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Scale</th>
<th>Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS-200</td>
<td>1/16&quot;, 1:200</td>
<td>2</td>
</tr>
<tr>
<td>HS-500</td>
<td>1&quot;=40', 1:500</td>
<td>8</td>
</tr>
</tbody>
</table>
LIGHTING

FIBRE OPTICS LIGHTING Fiber optic strands allow you to readily add many miniature 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Diameter</th>
<th>Strand length</th>
<th>Strands per package</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOP-10</td>
<td>.010&quot;</td>
<td>3.66 x 12</td>
<td>12</td>
</tr>
<tr>
<td>FOP-20</td>
<td>.020&quot;</td>
<td>3.66 x 12</td>
<td>5</td>
</tr>
<tr>
<td>FOP-30</td>
<td>.030&quot;</td>
<td>3.66 x 12</td>
<td>4</td>
</tr>
<tr>
<td>FOP-40</td>
<td>.040&quot;</td>
<td>3.66 x 12</td>
<td>2</td>
</tr>
<tr>
<td>FOP-60</td>
<td>.060&quot;</td>
<td>3.66 x 12</td>
<td>1</td>
</tr>
<tr>
<td>FOP-1010</td>
<td>.010&quot;</td>
<td>91.44 x 300</td>
<td>Single strand spool</td>
</tr>
<tr>
<td>FOP-1020</td>
<td>.020&quot;</td>
<td>60.96 x 200</td>
<td>Single strand spool</td>
</tr>
<tr>
<td>FOP-1030</td>
<td>.030&quot;</td>
<td>45.72 x 150</td>
<td>Single strand spool</td>
</tr>
<tr>
<td>FOP-1040</td>
<td>.040&quot;</td>
<td>30.48 x 100</td>
<td>Single strand spool</td>
</tr>
</tbody>
</table>

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 10 each 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

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 or 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Actual height</th>
</tr>
</thead>
<tbody>
<tr>
<td>PABT-2</td>
<td>1.5mm 1/16&quot;</td>
</tr>
<tr>
<td>PABT-4</td>
<td>3mm 1/8&quot;</td>
</tr>
<tr>
<td>PABT-6</td>
<td>5mm 3/16&quot;</td>
</tr>
<tr>
<td>PABT-10</td>
<td>8mm 5/16&quot;</td>
</tr>
</tbody>
</table>
Adhesives

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 compatibilities between materials and the best one for the job. www.modelbuildersupply.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 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

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 solvent 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

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, HARDENER, 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.

Display Box
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 irreparable 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 known 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 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, superfine & 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.

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 KLAYs 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 KLAYs 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›1140 ‚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°F operating temperature with excursions to 500°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

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

MINI CASTING KIT


Order Code: KIT-AMC

ALUMILITE MOLDING PUTTY

Two 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
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 °C (350 °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

### 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 viscosity (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.

**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 skinned, 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPV-1</td>
<td>1kg .2lb</td>
<td>Fast set casting plaster -white</td>
</tr>
<tr>
<td>CPV-11</td>
<td>5kg .11lb</td>
<td>Fast set casting plaster -white</td>
</tr>
<tr>
<td>CPV-2</td>
<td>1kg .2lb</td>
<td>Slow set casting plaster -grey</td>
</tr>
<tr>
<td>CPV-22</td>
<td>5kg .11lb</td>
<td>Slow set casting plaster -grey</td>
</tr>
</tbody>
</table>

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 custom-vacuum 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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Size</th>
<th>Description</th>
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<tbody>
<tr>
<td>KIT-ALU</td>
<td>16oz</td>
<td>Aluminum powder</td>
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<tr>
<td>KIT-MB</td>
<td>32oz</td>
<td>Microballoons</td>
</tr>
<tr>
<td>KIT-PORC</td>
<td>16oz</td>
<td>Porcelain powder</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Size</th>
<th>Description</th>
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<tbody>
<tr>
<td>ABRZ-01</td>
<td>1oz</td>
<td>Bronze metallic powder</td>
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<tr>
<td>ACOP-02</td>
<td>1oz</td>
<td>Copper metallic powder</td>
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<tr>
<td>AGUN-03</td>
<td>1oz</td>
<td>Gun metal metallic powder</td>
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<tr>
<td>ASLV-04</td>
<td>1oz</td>
<td>Silver metallic powder</td>
</tr>
<tr>
<td>AGLD-05</td>
<td>1oz</td>
<td>Gold metallic powder</td>
</tr>
</tbody>
</table>

Alumilite Dyes allow 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Size</th>
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<tbody>
<tr>
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<tr>
<td>KIT-DYE6</td>
<td>6oz</td>
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<table>
<thead>
<tr>
<th>COLOUR CODES:</th>
<th>Use the bold letters to fill in brackets</th>
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</thead>
<tbody>
<tr>
<td>BLACK - BK</td>
<td>GREEN-GR</td>
</tr>
<tr>
<td>RED - RD</td>
<td>BLUE - BL</td>
</tr>
<tr>
<td>ORANGE - OR</td>
<td>CAUCASIAN - CA</td>
</tr>
</tbody>
</table>

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
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 oven 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 styrofoam).
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 SAW S 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 SAW S These are the thinnest razor saws available with blades only 0.008" 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 (0.010" 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 materials 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
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.

NO. 1 KNIFE › LIGHT DUTY  A slender 124mm (4 7/8") soft grip handle with a No. 11 blade for delicate precision cutting of lightweight 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. 1 handle. Available in packages of 5 blades or in a pack package of 100 blades.

Order Code: Z921 (5 blades) Z929 (100 blade dispenser)

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

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

COPING SAW BLADES

Four blades per package.

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

Order Code: Z678

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.
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 gluing, 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 instructions for clear fixtures) 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, 2x3 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.