



# MirroFlex™ Mini Structures

## Product Specification Information

### Description

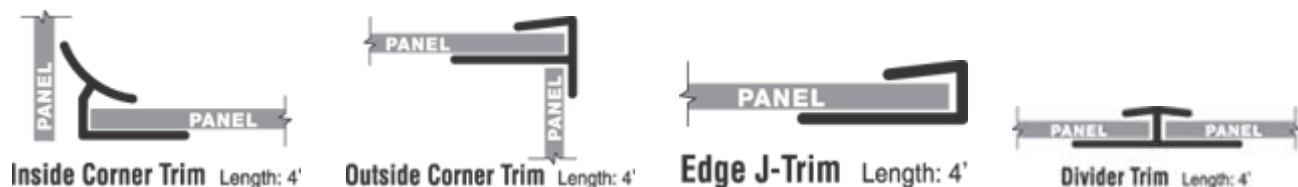
- MirroFlex™ Mini Structures are decorated thermoplastic sheets with high impact resistance and are available in a wide variety of patterns and colors. They can be used as a value-added product in areas that vertical grade High Pressure Laminates (HPL) are typically used.
- Unlike HPL, MirroFlex™ Mini Structures can easily be cut to size with razor knives or scissors. It can also be applied to many substrates with pressure sensitive adhesive strips and be used for retrofits and DIY applications.
- Size - 4' x 8' x .032" (1220 x 2440 x .8 mm). This is a dimensional product, so actual thickness varies by pattern.
- Most product ships with clear protective film.
- UPS Shippable

### Applications

- Commercial Market Uses:
  - Office - desks, storage cabinets, reception, etc.
  - Education – cabinets, high impact areas
  - Healthcare – furniture, equipment, high impact areas
  - Hospitality – restaurants, bar & counter fronts, hotels/motels
  - Store & Bank Fixtures
  - Interior Doors, Kiosk Fronts & Elevator Cab Interiors-including high impact areas
  - Wall Panels & Signage
- Recreational Market Uses:
  - Boat Interiors
  - Coach Interiors
- Residential Market Uses:
  - Occasional Furniture – tables, cabinets, etc.
  - Novelty and Juvenile Furniture
  - DIY and Renovations

## Fabrication

- Use standard tools normally used for fabrication of HPL sheets. Tools such as scissors and razor knives will cut this product. Routers, saw blades and drilling tools for thermoplastics are also suitable.
- Lamination – Like HPL, Mini Structures sheets can be bonded with contact cement, but you must use a product compatible with PVC.
- Adhesives for Walls - Trowel on latex adhesive is available in 1 & 5 gallon pails (solvent-free Titebond® Fast-Grab FRP adhesive from Franklin International).
- MirroFlex Pressure Sensitive Adhesive (double sided) rolls are also available, which bonds MirroFlex sheets to most surfaces. Each roll contains 40 linear feet x 1½” wide (12.15 meters x 38mm).
- Slight imperfections and color variations from sheet to sheet are possible and considered normal. Please inspect each sheet carefully before fabrication to insure it meets your needs.
- Storing Product – Store flat and acclimatize in the same environment for at least 24 hours before fabrication.
- Molding is available to join and finish Mini Structures sheets. Inside corners outside corners, edge trim and universal trim strips are shown below.



- Cleaning and Care – Clean only with warm soapy water. Never use abrasive cleaners.

**Testing & Technical Information (Preliminary)**

<b>NEMA Stain Test Item</b>	<b>Results</b>
Steel Wool	Pass
24 Hr Bleach	Pass
24 Hr Ammonia	Pass
Vinegar	Pass
Old English®	Pass
Red Food Coloring	Pass
Lipstick	Pass
Tea	Pass
Olive Oil	Pass
Windex ®Surface	Pass
Formula 409®	Pass
Scotch-Brite® w/Soap	Pass
Sponge w/Bleach	Pass
Sponge w/Windex®	Pass
Pine-Sol®	Slight Effect
Isopropyl Alcohol	Slight Effect

<b>Abrasion Resistance Results</b>
Taber – CS10/1,000 gr. 400 cycles
Falling Sand 5 liters
Number 3 steel wool 60 double rubs
Hoffman Scratch Test 700 gr.

<b>Technical Information</b>	<b>Results</b>
Fire Retardant ASTM E-84	Class 1
QUV	Pending
Solvent Resistance	50 MEK
Humidity	12 hrs 96-100% RH @ 40 degrees C on MDF
MEK Double Rubs/Crockmeter	Withstands 70 cycles
Impact Resistance Garner Impact Test ASTM D5420	>2 inch lbs per mill of thickness