ATI
DECORATIVE
LAMINATES

Design Beyond the Surface

Installation Instructions for MirroFlex® Structures and MirroFlex® MAX Wall Panels and Wainscoting

MirroFlex Structures and **MirroFlex MAX** are deeply textured laminates used for wall panels. These opaque, thermoplastic panels have high-impact resistance and are available in a wide variety of patterns and finishes. (Both programs also offer most finishes to be available as flat sheets. These instructions apply to textured and flat sheets.)

General
For MirroFlex Structures program - 4' x 8' x .030'' and 4' x 10' x .030'', Backsplash tiles; 18'' x 24'' and Wainscot panels; 30''- 32'' x 48''
For MirroFlex MAX program - 4' x 8' x .045''

Some MirroFlex Structures ship with either a clear protective film or with TuffCote™.
 MirroFlex MAX has neither, protective film nor TuffCote.

Storing
Store flat and acclimatize in the same environment for at least 24 hours before fabrication.

Cutting
MirroFlex Structures can easily be cut to size with razor knife and scissors, saw blades, and drilling tools for thermoplastics. When fabricating MirroFlex Structures, always cut from the decorated side, through the finish. Never cut from the back. If routing, always use a down spiral bit.
MirroFlex MAX can be fabricated with cutting / drilling tools for thermoplastics including router bits and saw blades.

Cleaning and Care
 Clean only with warm soapy water or a typical window cleaner. Never use abrasive cleaners.

CAUTION:
All MirroFlex sheets being applied to surfaces with any recommended adhesive systems must be acclimatized.

- All components to be joined must be acclimatized for 24 hours prior to installation.
- Installation between 65° F and 80° F and humidity of 80% or less is necessary.
- For every 4-foot wide sheet an expansion space of 1/32'' (8-foot sheet = 1/16'') is necessary.

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Adhesives

Trowel on latex adhesives are recommended for adhering MirroFlex Structures, and **MirroFlex MAX** sheets for wall applications.
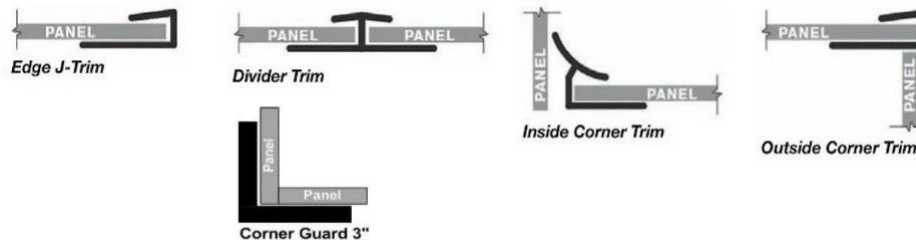
The following is meant as a guideline for adhesives that have been tested, and work well with MirroFlex product:

- Titebond® Advanced Polymer – Trowel on
- Titebond® Fast Grab FRP – Trowel on
- Loctite® PL Premium
- Spraylock® FRP Adhesive – (Not approved for MirroFlex MAX)

Trims and Seams

Trims are available to join and finish MirroFlex Structures sheets. Most MirroFlex Structures wall panels come with a BIO, (Built-In-Overlap) which is a flat edge on the top and right of each panel, allowing the next panel to overlap and make the seam less visible. Inside corners, outside corners, edge trim, and universal trim strips are shown below. Some have a Bead-and-Button seaming edge, while some have neither, these are simply butt joined or seamed with a divider strip.

MirroFlex MAX panels also come with a BIO (Built-In-Overlap). Standard Trim will not work for MirroFlex MAX and certain MirroFlex structure patterns.
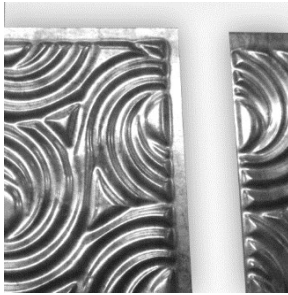

Trims available in 4' or 8' lengths.

Installations
4' x 8', 4' x 10' Wall Panels, and Wainscoting

1. Before starting the installation, surface must be dry, smooth and free from dust, grease, wax, and other particles.*
2. Measure the area to be covered to determine how many panels you will need.
3. All trowel on FRP adhesives will have to be applied to the wall and not to the back of the panels. If using Spraylock® FRP Adhesive, follow instructions on can.
4. Most MirroFlex Wall Panels are designed with a BIO (Built-In-Overlap), which is a flat edge on the top and right of each panel, allowing the next panel to overlap and make the seam less visible. Install panels from left to right, being sure the flat edge is always on the

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right. Certain MirroFlex patterns that do not have a BIO may have a Bead and Button feature. To install, overlap two or more sheets or tiles on the bead and button perimeter which will join at the pre-determined connection points. Some patterns have neither and are simply butt joined or seamed with a divider strip.

BIO   Bead + Button

5. After applying your selected adhesive to the wall, lay up your first panel applying even pressure to ensure the entire panel is in contact with the adhesive. Once the panel is fully adhered to the wall, gently remove the protective masking (if your panel came with it) as you hold it firmly against the wall. Make sure the panel is straight before you continue with the next one. **For MirroFlex Max, use at least a ½" notched trowel.**

6. Repeat this process, working left to right. When finished, use the paint roller on an extension pole to apply additional pressure to the wall. Gently roll panel with roller in ONE direction: top to bottom OR bottom to top. Flat sheets may need additional smoothing/bracing to ensure satisfactory outcomes.

* The method you choose for cleaning prior to application must be compatible with the surface you are cleaning (e.g. denatured alcohol, degreaser, soap & water, TSP, Greased Lightning, etc.). Check the manufacturer's label directions for instructions on using the product.

Painting Guide

If a custom color is desired, choose our standard MirroFlex Gloss White Paintable or EccoFlex Tan Paintable finish or inquire about our custom color matching program. Use recommended paints in accordance with manufacturer's recommendations. Due to the high chemical resistance of it, only certain paints adhere well. It is very important to use recommended paints to paint MirroFlex Gloss White Paintable and EccoFlex Tan Paintable sheets.

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The following paints have been tested and are recommended:

MirroFlex Paintable Painting Guide			
Vendor	**Product**	**Prep 1**	**Prep 2**
Sherwin Williams	Acrolon 218HS	SSPC-SP1Solvent Cleaner	DTM Bonding Primer
Lowes	Signature Interior or American Tradition Exterior Duramax Paints	TSP Cleaner	Plastic Primer Spray
Benjamin Moore	Benjamin Moore Latex or Oil Paint	TSP Cleaner	Fresh Start Primer
Pratt & Lambert	Pratt&Lambert Latex Paint	Scuff Sanding/TSP Cleaner	Supreme Interior / Exterior Multi-Purpose Primer

EccoFlex Paintable Painting Guide			
Vendor	**Product**	**Prep 1**	**Type**
Sherwin Williams	SuperPaint® or Duration™ or similar	Wiping the sheet with Isopropyl Alcohol (IPA) will help promote paint adhesion. To prepare the surface: EccoFlex sheet surface can be wiped using IPA or rubbing alcohol prior to painting. This method of treatment helps paint attack the surface and create a strong bond to the EccoFlex sheet.	Brush application
Sherwin Williams	Polane™ Series* or Similar		Spray application
Cardinal	Polyurethane 6400 Series		Spray application

* For external applications using Sherwin-Williams Polane Series, use exterior catalyst V66V27. The ratio is 6 parts paint, one part catalyst.

Installation Videos
MirroFlex Structures Installation Videos can be found on our website at
www.atilaminates.com/resources/video

Conditions & Warranty
Visit us online at https://atilaminates.com/ for the latest patterns, finishes and installation videos.
Click on "Resources" tab for the latest catalog and warranty information.