



## MirroFlex® Structures and Flat Sheets Technical Information and Product Specs

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**Installation Guide**



**Installation Video**

**Description**

- MirroFlex® 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® 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.
- Sizes - These are textured dimensional products, so actual pattern thickness varies, but raw material is 0.030" thick.
  - 4' x 8' Wall Panels
  - 4' x 10' Wall Panels
  - 2' x 2' Ceiling Tiles
  - 2' x 4' Ceiling Tiles
- Most product ships with clear protective film or with Tuffcote™
- 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

Technical Information	Test	Results
Fire Retardant	ASTM E-84	Class A
QUV		Minimum of 100 hours
Solvent Resistance		50 MEK
Humidity		12 hrs 96-100% RH @ 40 degrees C on MDF
MEK Double Rubs/Crockmeter		Withstands 70 cycles



Technical Information	Test	Results
Impact Resistance	ASTM D5420	> 2-inch lbs per mill of thickness
Abrasion Resistance Patina with TuffCote Argent Finishes EccoFlex Paintable	TABER	4,700* 5,000* 1,000*

**Fire Rating Information:** Most MirroFlex Structures sheets and ceiling tiles are fire rated and are designed to pass ASTM E 84 Class A.

**Stain Resistance Properties**

Stain Resistance Testing		Group 1		Group 2		Group 3		Group 4		Group 5		Group 6	
#	Materials	24 Hrs	7 Day	24 Hrs	7 Day	24 Hrs	7 Day	24 Hrs	7 Day	24 Hrs	7 Day	24 Hrs	7 Day
1	Wesson Oil	N	N	N	N	N	N	N	N	N	S	N	N
2	Household Ammonia	N	N	N	N	N	N	N	N	S	S	N	N
3	409 all purpose cleaner	N	N	S	S	N	N	N	N	N	N	N	N
4	"Tide" laundry detergent	N	N	N	N	N	N	N	N	N	N	N	N
5	Isopropyl Alcohol	N	N	S	S	N	N	N	N	N	N	N	N
6	Clorox	N	N	S	N	L	L	L	L	L	L	N	N
7	Grape Juice	N	N	N	N	N	N	N	N	N	N	N	N
8	Orange Juice Concentrate	N	N	N	N	N	N	N	N	N	N	N	N
9	Coffee	N	N	N	N	N	N	N	N	N	S	N	N
10	Mustard	N	N	N	N	N	N	N	N	S	S	N	N
11	Ketchup	N	N	N	N	N	N	N	N	N	N	N	N
12	Red wine	N	N	N	N	N	N	N	N	N	N	N	N
13	Coca-Cola	N	N	N	N	N	N	N	N	N	N	N	N
14	Water	N	N	N	N	N	N	N	N	N	N	N	N
15	Black crayon	N	N	N	N	N	N	N	N	N	N	L	L
16	Lipstick	N	N	N	N	N	N	N	N	N	N	L	L
17	Pine-Sol	N	N	S	S	N	N	N	N	N	N	N	N
18	Vinegar	N	N	N	N	N	N	L	L	N	N	N	N
19	Steel Wool	N	N	N	N	N	N	N	N	N	N	N	N
20	Tea	N	N	N	N	N	N	N	N	N	N	N	N
21	Windex® Surface Cleaner	N	N	N	N	N	N	N	N	N	N	N	N
22	Scotch-Brite® w/Soap	N	N	N	N	N	N	N	N	N	N	N	N

Group 1 - Patina, Brushed Aluminum, Paintable, Mirror Red, Argents  
 Group 2 - Woodgrains  
 Group 3 - Mirror Silver  
 Group 4 - Mirror Gold  
 Group 5 - Brushed Copper  
 Group 6 - EccoFlex Paintable

N = no change  
 S = slight change  
 M = medium change  
 L = large change  
**\*No Sign of Wear**