



MirroFlex® Structures and Flat Sheets

Technical Information and Product Specs

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	TABER	4,700*
Argent Finishes		5,000*
EccoFlex Paintable		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**