



MirroFlex™ Structures Technical Information

GENERAL INFORMATION:

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.
- 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 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
 - Bathroom Enclosures (Only when **MirroFlex Tub & Shower Wall Panels™** are used)
- Recreational Market Uses:
 - Boat Interiors
 - Coach Interiors
- Residential Market Uses:
 - Occasional Furniture – tables, cabinets, etc.
 - Novelty and Juvenile Furniture
 - DIY and Renovations

PHYSICAL PROPERTIES:

N/A

TECHNICAL PROPERTIES:

PROPERTY	TEST METHOD	TYPICAL VALUE
Fire Retardant	ASTM E-84	Class A
QUV		Minimum 100 hours
Solvent Resistance		50 MEK
Humidity		12 hrs 96-100% RH @ 40 degrees C on MDF
MEK Double Rubs/Crockmeter		Withstands 70 cycles
Impact Resistance	ASTM D5420	>2 inch lbs per mill of thickness
Abrasion Resistance – Patina with TuffCote Argent Finishes EccoFlex Paintable	ASTM D1044 Taber Abrader 5130 500 gm weight CS-10 Calibrase wheel	4,700* 5,000* 1,000*

*no sign of wear

ADDITIONAL INFORMATION:

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	M	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, Mirror Blue

Group 4 - Mirror Gold

Group 5 - Brushed Copper

Group 6 - EccoFlex Paintable

N = no change

S = slight change

M = medium change

L = large change