



MirroFlex™ Structures

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.
- 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
- 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 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 | 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 | 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

* No sign of wear