



MirroFlex™ MAX Structures

Technical Information and Product Specs

Description

- MirroFlex MAX wall panels are deeply textured thermoplastic sheets in a variety of patterns and colors. These products incorporate the BIO (built in overlap) system to assist in seaming, and they are used in interior design to further beautify spaces.
- MirroFlex MAX is produced from a high impact, fire-rated sheet that is cost competitive with other deeply textured wall products
- Size – nominally 4' x 8'. This is a dimensional product, so actual thickness varies by pattern. Raw material thickness is 0.045"
- MirroFlex MAX offers more uniform forming with less wall thinning and offers significantly greater resistance to a broad range of corrosive chemicals and cleaning solutions. These products can also be cleaned with certain anti-viral products (against COVID-19 and others) produced by Diversey Hygiene Company; see tech sheet pertaining to the testing

Applications

- Commercial Market Uses:
 - Office
 - Education
 - Healthcare
 - Hospitality
 - Retail
- Residential Market Uses:
 - DIY and Renovations
 - New Home Construction

Physical Properties

Property	Test Method	Typical Value	
Specific Gravity	ASTM D-792	1.35	
Tensile Strength	ASTM D-638	42 MPa	6,100 psi
Elongation %	ASTM D-638	110	
Flexural Strength	ASTM D-790	66 MPa	9,600 psi
Modulus of Elasticity	ASTM D-790	2,480 MPa	360,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	801 J/m	15 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	94	
Heat Deflection Temperature (HDT) @264 psi (1.8 MPa) annealed	ASTM D-648	75.6°C	168°F
Flammability: Underwriters Laboratories., Inc® Component Recognition	UL Standard 94	V-0, 5V	
Federal Aviation Administration	FAR 25.853 (a)	Pass	

**Stain Resistance Properties**

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

N = no change

S = slight change

M = medium change

L = large change

***No Sign of Wear**