MDC

Dimension/Impact Walls

Technical Information and Product Specifications

Description:

- Dimension/Impact Walls 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, Dimension/Impact Walls 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

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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		4,700*
Argent Finishes	TABER	5,000*
EccoFlex Paintable		1,000*

Fire Rating Information: Most Dimension/Impact Walls 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
2 – Woodgrains
Group 3 – Mirror, Mirror Blue
Group 4 – Mirror Gold
Group 5 – Brushed Copper
Group 6 – EccoFlex Paintable

N = no change Group
S = slight change
M = medium change
L = large change
* No sign of wear

MDC
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