

ALSA Corporation

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FX Sheeting Brushed Aluminum Technical Data Sheet



Description:

FX Sheeting is a decorative product based upon GE 8A37V Lexan films and a Molecular Metallic Chrome Film protected by the Lexan film and backed by an adhesive system for architectural and surface finishing applications. The product is available in a range of thicknesses with a brushed metal look surface finish. This product may be applied over properly prepared existing surfaces to give decorative brushed chrome like appearance and adds a tough surface finish to interior surfaces. Stock product is available in standard roll form 36 inch wide and adhesive options available.

Key Performance Characteristics:

- Conformable to curved surfaces
- Self adhesive for easy application
- Shatter proof, puncture and tear resistant
- Strong bond to surface
 - Limited repositionability depends on adhesive
- Easy to cut to surface shape

Typical uses:

- Interior walls for metal like appearance
- Apply to appliance surfaces
- Change any surface appearance to brushed chrome surface (We found it did not stick to ceramic tile)

Strippable Release Backing:

- High Performance acrylic based adhesive double coated on polyester film with a 74 lb. polycoated release liner standard
- Additional adhesive options available on request
 - Adhesive thickness
 - Adhesive tack and aggressiveness for hard to bond surfaces
 - Foam backed adhesive

Important Considerations:

- Film flatness and reflection quality dependent on surface applied to
 - Surface smoothness to prevent dimpling

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- Surface flatness to control reflected image quality
- Thicker films and foam adhesive backings reduce dimpling tendency
- Can not be repositioned after application to surface
- 1 year shelf life on adhesive when stored under cool, dry conditions
- For interior use, do not expose to direct sunlight for extended periods
- Care must be exercised in cleaning exposed surfaces

Typical Property Values: LEXAN® 8A37V, based products

Property	Test Method	Units	Values
Physical			
Specific Gravity	ASTM D792	-	1.24
Area factor	Calculation	ft ² /lb/mil	155
Water absorption, equilibrium 24 hrs	ASTM D570	%	0.35
Mechanical			
Tensile Strength @ yield	ASTM D882	psi	8,500
Ultimate			9,000
Tensile Modulus	ASTM D882	psi	300,000
Tear strength			
Initiation	ASTM D1004	lb/mil	1.4-1.8
Propagation	ASTM D1922	g/mil	30-55
Fold endurance	MIT	double folds	200
Optical			
Reflectivity		%	> 92%
Light transmission	ASTM D1003	%	< 4 %
Haze		%	< 1%
Texture			Brushed
Thermal			
Coefficient of thermal expansion	ASTM D696	in/in/°F	3.75 x 10 ⁻⁵
Tensile Heat Distortion @ 50 psi	ASTM D1637	°F	302
Brittle Temperature	ASTM D746	°F	-211
Flammability rating <0.015 inches	UL94 VTM-2		
Electrical			
Arc Resistance, Tungsten Electrodes	ASTM D495	sec	120

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For additional information and for orders contact:

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The brushed 8A37V Lexan while not known for exceptional mar and abrasion resistance but has good hiding power of incidental scratching after application. To choose the proper performance application please log onto www.gestructuredproducts.com (Click on Film-Lexan)

Product Information on these sheets is subject to qualifying statements in the product applications guide