

Security / Authenticity Labeling

Silver Polyester - Void Pattern

For Tamper-Evident Labeling including: Consumer Electronics or anywhere tamper evidence may be required.

Flexcon makes a variety of destructible and selectively destructible films for covert security applications.

For more information on FLEXcon's pressure-sensitive film solutions for security / authenticity labeling, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.

Product ID #: FLX000443



Product:

**Flexcon®
TamperMark™ MM 150 Silver VOID
TC-249 L-156 Spec 50K/Q-8**

Benefits:

- 1.5 mil silver topcoated tamper-evident metallized polyester film
- Designed for applications requiring tamper evidence
- Topcoat optimizes ink receptivity with most solvent and UV ink systems (please test for ink adhesion on your specific ink chemistry)
- High-performance, aggressive permanent acrylic adhesive provides a permanent bond to a wide range of surfaces, including powder coated paint and metal
- Backed with a 50 lb. semi-bleached kraft release liner that is Quilon®* coated to prevent label pick-off

*Quilon® is a registered trademark of Zaclon, LLC

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PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Film	1.4 (36) +/- 10%
	Adhesive	1.0-1.1 (25-28) +/- 0.1 (3)
	Liner	3.1 (79) +/- 10%
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
Acrylic	Leaves VOID pattern	Leaves VOID pattern
Glass	Leaves VOID pattern	Leaves VOID pattern
Stainless Steel	Leaves VOID pattern	Leaves VOID pattern
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	5	
Tack (gm/sq cm)	820	ASTM D 2979
Expected Exterior Life	Two years	
Service Temperature Range	-40°F to 302°F (-40°C to 150°C) Tamper-evident maximum 104°F (40°C)	
Minimum Application Temperature	32°F (0°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

All of the descriptive information, the typical performance data, and recommendations for the use of Flexcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is merely an attempt to assist you after you have indicated your contemplated use and shall in no event constitute a warranty of any kind by Flexcon. All purchasers of Flexcon products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of Flexcon is authorized to give any warranty, guaranty, or make any representation in addition or contrary to the above.

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