Membrane Switch - Mounting Adhesive

.002" (2.0 Mil) Roll Form Laminating Adhesive

Flexcon® SwitchMark® spacer components, overlaminates and laminating adhesives are specifically engineered for demanding membrane switch applications. Specially formulated pressure-sensitive adhesives are designed to bond well to a variety of surfaces. The adhesive also allows the necessary rework time to minimize waste in assembly from misaligned components.

Markets Include:
Membrane Switch
Aerospace
Appliance
Automotive
Durable Goods
Consumer Electronics
Heavy Equipment
Industrial Equipment
Medical Device

For more information on FLEXcon's pressure-sensitive film solutions for Membrane Switches, contact your local Sales Representative or our Performance Products Business Team at (508) 885-8440.

Product ID #: FLX000473



Product:

Flexcon® SwitchMark® 2-0-0

Benefits:

- High-performance permanent pressure-sensitive acrylic adhesive bonds well to high-surface energy plastics, metal and paint*
- Superior mechanical properties ensure long-term membrane switch performance without delamination (ASTM F 1578-00)
- Adhesive offers excellent high-temperature, humidity and chemical resistance
- Product can be repositioned within the first few minutes of application allowing easy correction of assembly mistakes
- Adhesive is compatible with a wide range of solvent and UV ink systems, including conductive, decorative and dielectric inks
- Backed with an 84 lb. natural kraft polycoated release liner
- Two-sided differential release prevents adhesive confusion and adhesive build-up for clean unwind
- Moisture stable, layflat release liner is ideal for roll or roll-to-sheet form converting
- Ideal for creating custom spacer components, attaching graphic layers or mounting the membrane switch to application substrates
- Product is available in rolls
- Product is RoHS compliant
- Adhesive system has UL recognition under UL746C, Polymeric Adhesive Systems, Electrical Equipment - Component and UL969, Marking & Labeling Systems Materials Component 302°F (150°C)

*Recommendations: Application surfaces must be above 50°F (10°C). Surfaces must be clean and dry to obtain best adhesion results. Firm and even laminating pressure helps promote better adhesive contact and improves bond strength. Always laminate to exclude air entrapment.

For SwitchMark® inquiries in the United States and Canada, please contact Insulectro Distribution at (603) 629-4412. For other inquiries, please contact your Flexcon Sales Representative or call Flexcon at (508) 885-8296.

FLEXcon 1 FLEXcon Industrial Park, Spencer, MA 01562-2642, Telephone (508) 885-8440 FAX (508) 885-8355 www.FLEXcon.com

Flexcon®
SwitchMark® 2-0-0

PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Adhesive	1.9-2.1 (48-53) +/- 0.2 (5)	ASTM D 3652 (Modified for use with non-tape products)
	84 LA PFT	6.4 (163) +/- 10%	
Adhesion Properties			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)	
ABS	48	(528)	
Alkyd Enamel Paint	49	(539)	
Aluminum	81	(891)	
Conductive Solvent Screen Ink - Acheson Colloids 479SS	56	(616)	
Decorative Solvent Screen Ink - Coates Screen C-99 Series	48	(528)	
Decorative UV Screen Ink - Coates Screen PD Series	69	(759)	
Decorative UV Screen Ink - Nazdar 3400 Series	98	(1078)	
Decorative UV Screen Ink - Nor-Cote Int'l MSK Series	67	(737)	
Dielectric UV Screen Ink - Acheson Colloids 452SS	64	(704)	
Polycarbonate	73	(803)	
Polyester	82	(902)	
PVC	76	(836	
Stainless Steel	63	(693)	
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	100+		
Tack (gm/sq cm)	260		ASTM D 2979
Expected Exterior Life	Two years		
Service Temperature Range	-40°F to 302°F (-40°C to 150°C) with polyester film		
Minimum Application Temperature	50°F (10°C)		
Storage Stability	Two years when 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.

Last Modified On: 02/19/2024

FLEXcon 1 FLEXcon Industrial Park, Spencer, MA 01562-2642, Telephone (508) 885-8440 FAX (508) 885-8355 www.FLEXcon.com