

Product Construction Sheet

FLX054150 - FLEXcon® 2201SL DLC-503-80RH

GENERAL DESCRIPTION:

This is a nylon cloth coated with a permanent pressure sensitive silicone adhesive backed with clear polyester release liner on one side and permanent pressure sensitive acrylic adhesive backed with differential semi-bleached kraft release liner on second side.

PRODUCT DATA	VALUE	TEST METHOD
PHYSICAL PROPERTIES		
Thickness mil (micron)	Polyester Liner: 2.0 (51) +/- 10 % Silicone Adhesive: 2.9-3.1 (74-79) +/- 0.2 (5) Cloth: 3.0 (79) +/- 10 % Acrylic Adhesive: 1.9-2.1 (48-53) +/- 0.2 (5) Kraft Liner: 4.7 (119) +/- 10 %	ASTM D 3652 (Modified for use with non-tape product)

ADHESION PROPERTIES*	<u>Silicone Adhesive</u>		
	180° angle 12"/min. Average oz/in (N/m)	90° angle 12"/min Average oz/in (N/m)	ASTM D 3330 (Modified for dwell time)
<u>Laminated to 2.0 mil clear polyester</u>			
Stainless Steel			
15 minute	58 (638)		
3 day 160° F (71° C)	58 (638)		
3 day RT	52 (572)	52 (572)	
3 day RT Acrylic	51 (726)		
3 day RT Glass	53 (748)		
3 day RT Polypropylene	39 (770)		
<u>Laminated to 2.0 mil aluminum foil</u>			
Stainless Steel			
15 minute		45 (495)	
3 day 160° F (71° C)		63 (693)	
3 day RT	74 (814)	44 (484)	
3 day RT Acrylic		49 (529)	
3 day RT Glass		49 (539)	
3 day RT Polypropylene		31 (341)	
Expected Shear (hours)	<u>Laminated to 2.0 mil clear polyester</u> 5	<u>Laminated to 2.0 mil aluminum foil</u> 5	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (g)	780	780	ASTM D 2979

* For guidance only, not to be used for setting specifications. Due to the custom nature of this product, the data presented are based on three or less production runs.

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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.

PRODUCT DATA	VALUE		TEST METHOD
ADHESION PROPERTIES*			
	<u>Acrylic Adhesive</u>		
	180° angle 12"/min. Average oz/in (N/m)	90° angle 12"/min Average oz/in (N/m)	ASTM D 3330 (Modified for dwell time)
<u>Laminated to 2.0 mil clear polyester</u>			
Stainless Steel			
15 minute	50+ (550+)**		
3 day 160° F (71° C)	38+ (418+)**		
3 day RT	80+ (880+)**	60 (660)	
3 day RT Acrylic	76+ (836+)**		
3 day RT Glass	76+ (836+)**		
3 day RT Polypropylene	26 (286)		
<u>Laminated to 2.0 mil aluminum foil</u>			
Stainless Steel			
15 minute		43 (473)	
3 day 160° F (71° C)		60 (660)	
3 day RT	74 (814)	55 (635)	
3 day RT Acrylic		100+ (1100+)**	
3 day RT Glass		100+ (1100+)**	
3 day RT Polypropylene		22 (242)	
	<u>Laminated to 2.0 mil clear polyester</u>	<u>Laminated to 2.0 mil aluminum foil</u>	
Expected Shear (hours)	5	5	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (gm)	840	820	ASTM D 2979
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EXPECTED EXTERIOR LIFE	Depends on substrates, both adhesive is suitable for outdoor use		
SERVICE TEMPERATURE	-40°F to 302°F (-40°C to 150°C)		
MINIMUM APPLICATION TEMPERATURE	50°F (10°C)		
STORAGE STABILITY	One year stored at 70°F (21°C) and 50% RH		

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