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Incide Technologies  
50 North 41<sup>st</sup> Avenue  
Phoenix, AZ 85009-4618

Att: Mr. Carl Thomas

**DL-12605**  
**Final Report**

**OBJECTIVE**

To conduct various tests on an elastomeric coating.

**PRODUCT TESTED**

The coating was submitted by Incide Technologies and identified as Complete Coatings - Flexible Finish, Acrylic Based Textured Elastomeric Finish

**TEST PROCEDURES**

The following test procedures were conducted.

<b><u>Test</u></b>	<b><u>Procedure</u></b>
Surface Burning	ASTM E 84
Tensile Strength	ASTM D 2370
Elongation	ASTM D 2370
Water Vapor Transmission	ASTM E 96, Procedure B
Weatherability - 2000 hours	ASTM G 53
Mildew Resistance	ASTM D 3273 / D3274



**TEST PROCEDURES**

<b><u>Test</u></b>	<b><u>Procedure</u></b>
Freeze-Thaw Resistance, 3 cycles	ASTM D 2243
Wind Driven Rain Resistance	TT-C-555B (a)
Peel Adhesion	ASTM C 794, Modified (b)
Flexibility, low temperature (0°F)	ASTM D 522, Method B (c)
(a) Wind Driven Rain - The elastomeric coating was applied over a latex block filler.	
(b) Peel Adhesion - Testing was conducted following procedures outlined in ASTM C 794 with the following modifications:  The substrate was mortar.  The flexible finish was applied at 1/8 inch for each coat.  The dry peel adhesion test was performed as well as the seven day water immersion portion of the test.	
(c) The coating was bent over a one inch mandrel . The application of the flexible coating was a nominal 1/8 inch (62 mils) wet film thickness per coat.	

**TEST RESULTS**

The test results can be found in the Appendix.

cc: T. Sliva

DL Labs, Inc.

Mario Lazaro, Jr.  
Assistant Technical  
Director



**APPENDIX**

**FLEXIBLE FINISH  
ACRYLIC BASED TEXTURED ELASTOMERIC FINISH  
WHITE**

<b><u>Test</u></b>	<b><u>Result</u></b>
Surface Burning	
Flame Spread Index	15
Smoke Development Index	25
Tensile Strength	115 psi
Elongation	60%
Water Vapor Transmission	
Water Vapor Transmission Rate	
Grains /ft <sup>2</sup> ·h	6.6 gr/ft <sup>2</sup> ·h
Grams/h·m <sup>2</sup>	4.6 g/h·m <sup>2</sup>
Permeance	
Perm, grains/ft <sup>2</sup> ·h·in. Hg	14.6 Perms
Metric perms, grams/Pa·s·m <sup>2</sup> ,	83.3 x 10 <sup>-8</sup> Metric perms
Weatherability - 2000 hours	
Cracking	No Cracking
Mildew Resistance	No Growth
Freeze-Thaw Resistance	
3 cycles	Pass
Wind Driven Rain Resistance	
Water absorption, 0.2 lbs. max.	0.06 pounds
Rear face dampness	None
Peel Adhesion	
Dry	20 pli
Wet	5 pli
Low Temperature Flexibility	
Cracking	None

**Note:** PLI = Pounds per Linear Inch