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Fine Paints of Europe
P. O. Box 419
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Woodstock, VT 05091-0419

Att: **Mr. John Lahey**
President

Re: DL-13791
Via FAX (802) 457-3984

OBJECTIVE

To conduct various tests in order to access the suitability of a 100% acrylic water based finishing paint for exterior use on siding and trim.

PRODUCTS TESTED

The coatings were submitted by Fine Paints of Europe and identified as follows:

Wijzonol - Eurolux, Satin, White

Schreuder - Hascolac, Primer / Undercoat, White 0001

TEST PROCEDURES

The following tests were conducted in accordance with procedures outlined in ASTM D 5324, “Standard Guide for Testing Architectural Coatings” and Federal Specification TT-P-96, “Paint, Latex Base, For Exterior Surfaces (Whites and Tints).

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TEST PROCEDURES continued

Test Procedure	Test Method
Accelerated Weathering Resistance – 300 hours *4-hours UVB-340 at 60°F followed by* *4-hours condensation at 50°C*	TT-P-96, Sec. 4.4.11 *ASTM D 154 (a)*
Flexibility	TT-P-96, Sec. 4.4.8 (b)
Humidity Resistance – 240 hours	ASTM D 5324 (a) ASTM D 4585
Adhesion to Chalky Surface	ASTM D 5324 (b) FTMS 141, Method 6301 *
Adhesion, X-Cut Tape Test	*ASTM D 3359, Method A*
Flexibility, Cylindrical Mandrel Test	*ASTM D522, Method B*
Degree of Blistering	*ASTM D 714*
Degree of Chalking	*ASTM D 4214*
Degree of Checking	*ASTM D 660*
Visual Evaluation of Color Change	*ASTM D 1729*
Visual Evaluation of Gloss Change	

* - FTMS, refers to Federal Test Method Standards Manual 141

a) The Hascolac Primer / Undercoater was applied to a pine substrate at a spreading rate of 400 ft²/L (605 ft²/gal) and allowed to dry 24-hours at standard conditions before topcoating. The Eurolux finish coat was applied at a spreading rate of 290 ft²/L (440 ft²/gal). The coated test panels were then allowed to dry seven days at standard conditions before testing was initiated.

b) The flexibility test and the Adhesion to Chalky Surface were conducted only with the Eurolux Satin coating.

TEST RESULTS

The test results can be found in the Appendix.

The 5A adhesion rating reference in ASTM D 3359 X-cut Tape Test indicates that the coating did not exhibit peeling or removal along the two incisions or at their intersection.

CONCLUSIONS

The following conclusions can be drawn from the results of this evaluation.

1. The Eurolux Satin White coating when applied to the Hascolac primer exhibited excellent accelerated weathering resistance, particularly with regard to chalking resistance as required in Federal Specification TT-P-96 for an exterior coating.

2. The Eurolux coating exhibited conformance to the flexibility requirement of Federal Specification TT-P-96.

3. The Eurolux / Hascolac coating system exhibited excellent resistance to Humidity. The coatings exhibited excellent adhesion and recovery from blister development after one hour in a non humid condition.

4. The Eurolux coating exhibited excellent adhesion when painted over a chalky weathered surface.

DL Labs, Inc.

Mario Lazaro, Jr.
Assistant Technical Director

cc: T. Sliva

APPENDIX

TEST RESULTS

Wijzonol-Eurolux, Satin, White
Schreuder- Hascolac, Primer / Undercoat

	Result
Accelerated Weathering Resistance • 300-hours	
Blistering	None
Visual Color Change	None
Visual Gloss Change	None
Chalking	None
Flexibility • $^{1}/_{8}$-inch diameter cylinder	
Film Cracking	None
Film Chipping	None
Film Flaking	None
Humidity Resistance • 240-hours	
Blistering	
Initially	8M
After 4 -hours recovery	None
Wrinkling	None
Softening or re-emulsification	None
Other defects	None
Adhesion	
Method A, X-cut Adhesion Tape Test	
After 1-hour recovery	5A Rating No adhesion loss
Adhesion to Chalky Surface	
Method A, X-cut Adhesion Tape Test	5A Rating No adhesion loss