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Fine Paints of Europe
P. O. Box 419
Route 4 West
Woodstock, VT 05091-0419

Att: **Mr. John F. Lahey Jr.**

Re: DL-14090
Via FAX 802-457-3984

OBJECTIVE

To evaluate the water vapor transmission properties of an acrylic house paint when applied to cedar.

PRODUCT TESTED

The house paint was submitted by Fine Paints of Europe for evaluation and identified as:
Eurolux House Paint
Advanced Water Thinning Acrylic Exterior Paint
White, Lot: 344 30047

PROCEDURE

The coating was applied by brush to cedar siding test panels in two coats. The first and second coats were each applied at a spreading rate of 400 square feet per gallon with an overnight dry between coats. The coated cedar panels were then allowed to dry seven days at standard condition before testing.

The water vapor transmission properties were determined in accordance with procedures outlined in ASTM Method E 96, "Water Vapor Transmission of Materials", Procedure B, (Water method at 73.4°F).



TEST RESULTS

The water vapor transmission properties of the Eurolux House Paint when applied to cedar were as follows:

<i>Water Vapor Transmission Rate</i>	5.5 grains/ft ² /hr
	3.8 grams/ hr·m ²
	92.1 grams/m ² /24 hrs *

<i>Water Vapor Permeance</i>	13.3 perms
	75.9 x 10 ⁻⁸ grams/Pa·s·m ²
	8.8 metric perms *

* - ASTM D 1653 units of measure for water vapor transmission properties in the metric system. The English units are the same as ASTM E-96.

CONCLUSION

The Eurolux House Paint exhibited a Water Vapor Transmission Permeance of 12.7 perms, indicating that the coating is very permeable to water. A coating with perm values of 1 or less are considered moisture barriers.

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Mario Lazaro, Jr.
Assistant Technical Director

cc: T. Sliva