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Fine Paints of Europe  
P. O. Box 419  
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Att: **Mr. John F. Lahey Jr.**

**Re: DL-14698R**  
**Via FAX 802-457-3984**

## **OBJECTIVE**

To evaluate the accelerated weathering resistance of Wijzonol Acryl Glanslak, when applied to primed cedar.

## **PRODUCTS TESTED**

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

### **Wijzonol Bouwverven International B. V.**

#### ***Oi, Primer / Undercoat,***

High Performance Primer / Undercoat for Interior and Exterior Use,  
White, Lot: 05231091

#### ***ECO, Primer / Undercoat,***

High Performance, Water-Thinnable Primer for Exterior  
and Interior Use on Wood, White, Lot: 43130017

#### ***Acryl Glanslak, Basis Wit***

White, Lot: 05061127



## PROCEDURES

One coat of water based **ECO, Primer / Undercoat** was applied by brush to cedar wood test panels at 75µm (3 mils) wet film thickness and allowed to dry 24-hours at standard conditions before finishing with **Wijzonol Acryl Glanslak, Basis Wit**. In addition, the solvent based **Oil Primer / Undercoat was** applied to a second set of cedar panels at 60-75µm (2½-3 mils) and also allowed to dry 24-hours before finishing.

The primed cedar panels were sanded with 220 sandpaper after which one-coat of **Wijzonol Acryl Glanslak, Basis Wit** finishing coat was applied at 225µm (5 mils) wet film thickness. After an overnight dry, the finish was again sanded with No. 220 sandpaper and a second coat of **Wijzonol Acryl Glanslak, Basis Wit** at 225µm (5 mils) wet film thickness was applied.

Both finishing systems were allowed to dry seven days at standard conditions before testing in accordance with the following test procedures.

**Accelerated Weathering** - ASTM G 154 500-hours of exposure consisting of 4-hours UVB 313 exposure at 60°C followed by 4-hours of moisture condensation without UV-light at 50°F

**Visual color change**, ASTM D 1729

**Visual Gloss / Sheen Change**

**Chalking** - ASTM D 659

**Cracking** – ASTM D 661

**Adhesion**, ASTM Test Method D 3359, Method A - Cross-cut "X" Tape Test

## TEST RESULTS

The accelerated test results of the two finishing systems can be found in the Appendix.



## **CONCLUSIONS**

The following conclusions may be derived from this evaluation.

1. Both the Wijzonol ECO and Oil Primer / Undercoat primers, when finished with Wijzonol Acryl Glanslak, exhibited excellent resistance to accelerated weathering. Both finishing systems did not exhibit any appreciable color and gloss change. Chalk development or cracking of the coating film was not observed.
2. Both primers exhibited excellent adhesion to the substrate before and after 500-hours of accelerated weathering. In addition, the Wijzonol Acryl Glanslak finish exhibited excellent adhesion to the respective primer.

**DL Labs, Inc.**

Mario Lazaro Jr.  
Assistant Technical Director

cc: T. J. Sliva



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**APPENDIX**

**TEST RESULTS**

**ACCELERATED WEATHERING**

<b>Primer / Undercoat</b> →	<b>ECO</b>	<b>Oil</b>
<b>Finish Coat</b> →	<b><u>Acryl Glanslak</u></b>	<b><u>Acryl Glanslak</u></b>

**UVB Accelerated Weathering - 500 Hours**

Color Change, visual	None	None
Gloss Change, visual	None	None
Sheen Change, visual	None	None
Chalking	None	None
Cracking	None	None
Adhesion, ASTM rating		
Before exposure	5A	5A
After exposure	5A	5A

An ASTM Adhesion rating of 5A signifies that “No peeling or removal of film occurred along incisions”.