

STR Project Number: 15325.20528  
STR Report Number: US05T1175  
Date: August 10, 2005

**Summary of Test Results**

• **Measuring Adhesion by Tape Test:** ASTM D3359-02 / Client Specification

Method: Apply one coat of paint on each of the two samples with a brush. Samples are dried for 48 hours at 73° F at 50% R.H. Perform the cross hatch/adhesion test using Permaceel D-99 tape and report findings.

Original Result:

Behr Deep Jungle Green Paint	
<u>Exterior Flat</u>	<u>Exterior Satin Enamel</u>
Three pieces of tape are applied to each of the two panels. Adhesion rating is 3B on each.	Three pieces of tape are applied to each of the two panels. Adhesion rating is 5B on each.

Note: *Exterior Flat was tested after 7 days (168 hrs.) with 5B results obtained. During hours 48 – 168, the samples were not under controlled temperature and humidity conditions.*

Method: Apply one coat of paint on each of the two samples with a brush. Samples are dried for 48, 72 and 96 hours at 73° F at 50% R.H. Perform the cross hatch/adhesion test using Permaceel D-99 tape and report findings.

Retest Result:

Behr Deep Jungle Green Paint							
<u>Exterior Flat</u>				<u>Exterior Satin Enamel</u>			
48 hrs.	3B on each	5 – 15%	Flaking on edges	48 hrs.	5B on each	0%	Flaking
72 hrs.	3B on each	5 – 15%	Flaking on edges	72 hrs.	5B on each	0%	Flaking
96 hrs.	5B on each	0%	Flaking	96 hrs.	5B on each	0%	Flaking

**Ratings**

- 5B The edges of the cuts are completely smooth; none of the squares of the lattice is detached.
- 4B Small flakes of the coating are detached at intersections; less than 5% of the area is affected.
- 3B Small flakes of the coating are detached along edges and at intersections of cuts. The area affected is 5 to 15% of the lattice.
- 2B The coating has flaked along the edges and on parts of the squares. The area affected is 15 to 35% of the lattice.
- 1B The coating has flaked along the edges of cuts in large ribbons and whole squares have detached. The area affected is 35 to 65% of the lattice.
- 0B Flaking and detachment worse than Grade 1.



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STR Report Number: US05T1175  
Date: August 10, 2005  
Traceability Code: C05-1199, Received July 15, 2005  
Testing Performed: July 19, 2005 – August 10, 2005  
Supersedes Test Report Dated: July 25, 2005

### FINAL TEST REPORT

Prepared For: Kler Lumber LLC  
44 Greif Way  
Westfield, MA 01085

Attention Of: Mr. Rob Shuginis

#### Product Tested


The client supplied samples of Plastic squares 6" length by 6" wide and 3/4" thick to be painted. Behr 100% Acrylic paint in the shade Deep Jungle Green was purchased from Home Depot in the finishes Exterior Flat, and Exterior Satin Enamel for testing.

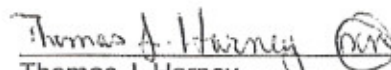
#### Test Performed

- Measuring Adhesion by Tape Test: ASTM D3359-02 / Client Specification

#### Test Results

See "Summary of Test Results," attached.

  
\_\_\_\_\_  
Ronald J. Haber  
Laboratory Manager  
Consumer Product Testing  
lj/lp

  
\_\_\_\_\_  
Thomas J. Harney  
Manager, Technical Services  
Consumer Product Testing

**Coatings Research Group, Inc.**

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216-447-9122

Independence, Ohio 44131-5032 USA Fax 216-447-9239

August 17, 2006

Mr. Ronald B. Child, VP  
Compliance & Regulatory Affairs  
California Products Corporation  
150 Dascomb Rd  
Andover, MA 01810

Dear Mr. Child,

California Products Corp. requested that CRGI evaluate six paints for adhesion to Kler composite trim boards.

Adhesion results can be found in the attached table. The following paints showed excellent adhesion to the Kler composite trim boards (0% paint removed):

- Fres-Coat Velvet Flat 100% Acrylic House Paint (45000)
- Fres-Coat Lo-Lustre 100% Acrylic Latex House Paint (45500)
- Fres-Coat Semi-Gloss 100% Acrylic Latex House & Trim Paint (47100)
- 2010 100% Acrylic Latex House & Trim Satin Gloss Finish (40200)

Please feel free to contact me if you need further information.

Sincerely,

Brenda Klein  
CRGI Coatings Chemist

**COPY**

CALIFORNIA PRODUCTS CORPORATION  
RONALD B. CHILD, V.P.  
COMPLIANCE & REGULATORY AFFAIRS



**Adhesion of California Paints to Klear Composite Trim Boards**

Product Number	California Paint Exterior Paints	ASTM D 3359-02 Rating
45000	Fres-Coat Velvet 100% Acrylic Latex House Paint (White)	5B
45500	Fres-Coat Lo-Luster 100% Acrylic Latex House Paint (White)	5B
47100	Fres-Coat S/G 100% Acrylic Latex House & Trim Paint (White)	5B
40000	2010 100% Acrylic Latex House Paint Velvet Finish (White)	4B
40100	2010 100% Acrylic Latex House & Trim Eggshell Paint (White)	4B
40200	2010 100% Acrylic Latex House & Trim Satin Gloss Paint (White)	5B

Klear panels were cleaned with mild soap and water to remove dirt, grease and other surface contaminants. Two coats of paint were applied to the boards with a 24-hour dry time between coats. Panels were cured for 14 days at 77°F prior to testing. Paints were tested for adhesion via ASTM 3359-02 Test Method B-Cross-Cut Tape Test. Paints were rated using the following scale:

- 5B- 0% Removed
- 4B- Less than 5% Removed
- 3B- 5-15% Removed
- 2B- 15-35% Removed
- 1B- 35-65% Removed
- 0B- Greater than 65% Removed

**COPY**  
 CALIFORNIA PRODUCTS CORPORATION  
 RONALD B. CHILD, V.P.  
 COMPLIANCE & REGULATORY AFFAIRS