WINDOW CYCLING TESTING ON RUST GRIP COATING FOR SUPERIOR PRODUCTS INTERNATIONAL II, INC

VTEC 100-701-2

TESTED: APRIL 4, 1997

VTEC Laboratories Inc.

April 4, 1997

Introduction:

Client: Superior Products International II, Inc.
6459 Universal Avenue
Kansas City, MO 64120

Attn: Mr. J. E. Pritchett

Supplier's Description of Sample: A double hung window, removed from a Lead Abatement job by a certified contractor in Bloomsburg, PA. that was coated with Lead-base Paint (LBP) and was condemned by risk assessor.

Preparation: The window was coated with a patented encapsulant Rust Grip and allowed to cure. Then the window was rigged with a electronic opening/closing rotary wheel with digital counter specifically for this test. This allowed the window to be opened and closed at two second intervals.

Procedure: This test was designed to measure friction wear of a coating over LBP to find the failure point of friction wear that would expose the hazardous LBP. The tested window completed 20,000 cycles / opening and closing, which is equal to the opening and closing of a window once a day, every day for 54 years.

Test No. VTEC 100-701 Date of Test: March 28, 1997

Material Tested:

1) Manufacturer: Superior Products International II, Inc.

2) Distributor: Native American Environmental Technologies

3) Product Description: Rust Grip Coating

4) Color: Gray

5) Material Description: by Supplier and VTEC

6) Date of Selection: March 1997

7) Purpose of Test: Rust Grip Coating Erosion After Window Cycling

8) Method of Sample Mounting: Window Frame

Test Results

Cycles	Observations
0	Start Cycling.
1,200	Particles On Teflon From Coating.
3,000	Particles On Teflon From Coating.
5,400	Particles On Teflon From Coating.
10,800	Rubbing but no exposure of underlying coating.
14,400	Same amount of rubbing as above.
20,700	The top right side of window rubbed off 1.5" line through the coating.
24,300	Same amount of rubbing as above.
27,900	Rubbing still on top right side of window, but also rubbing 3" long halfway down same side. Also rubbing 1" on other side bottom and 2" on window track in front of glass.
29,700	All rubbing was in same areas, but longer.

Conclusion: A visual inspection showed no wear or friction burn through, and no LBP exposed after 20,000 cycles. Wiping test with a sterile gauze pad proved no LBP dust.

Disclaimer:

This is a factual report of the results obtained from the laboratory test of sample products. The results may be applied only to the products tested and should not be construed as applicable to other similar products of the manufacturer. The report is not a recommendation or a disapprobation by VTEC Laboratories, Inc. of the material tested. While this report may be used for obtaining product acceptance, it may not be used in advertising.

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Window Frame Setup For Cycling