VUEGUARD 932® AF

Vueguard 932® AF is a UV-curable coating that provides excellent resistance to fogging. Although designed for polycarbonate substrate, it can be applied to primed acrylic and other substrates.

Fogging Test

Hot Fog (1) – Time to Fog	> 30 Minutes
Cold Fog (2) – Time to Fog	> 1 Min 30 Seconds
Cold Fog (3) – Time to Fog	> 30 Seconds

1. Test sample placed over 300ml beaker filled with 250ml of water at 60°C
2. Test sample kept in freezer at -10°C for 45 min and tested for fogging at 25°C
3. Test sample kept in freezer at -10°C for 60 min and tested for hot fogging (1)

Mechanical Properties

Adhesion [%] (4)	100
Scratch Resistance [psi] (5)	2
Pencil Hardness (6)	B
Taber Abrasion (7)	10
Bayer Ratio (8)	1.4

4. ASTM D 3359
5. Steel wool rotary testing using 1.25 square inch #0000 steel wool at 2 psi for 5 revolutions.
6. ASTM D 3363, modified Mitsubishi Hi Uni pencils at 750g load and 45° angle.
7. ASTM D 1044, CS-10, 500g load, 100 cycles, Kryptonite B
8. ASTM F 735

Hot Water / High Temperature Resistance Tests

	Untreated	Water Immersion (11)	High Temperature (12)
Light Transmittance [%] (9)	89	89	89
Haze (9)	0.3	0.5	0.3
Yellowness Index (10)	0.5	0.8	0.5
Adhesion (4)	100%	100%	100%

9, ASTM D 1003-61
10. ASTM D-1925
11. Coated sample is immersed in boiling water for 30 min.
12, Coated sample tested after 5 hours at 100°C.

Cleaning Test (13)

Before Test	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6	Cycle 7	Cycle 8	Cycle 9	Cycle 10
No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec	No fog 1-30 sec

13. Samples were sprayed with Windex then wiped clean with a dry scratch free rag. Anti-fog properties were tested after each cycle for hot fogging (1).

1 Registered Trademark of General Electric Corporation.

2 Registered Trademark of PPG.

PCI assumes no obligation or liability for any information furnished by it or results obtained with respect to these products. All such advice is given and accepted at the buyer's risk. Users should be governed by their own tests, made under conditions representative of those to which the product will be subjected in actual service. Users assume all risks and responsibilities associated with the proper handling, use and disposal of the material.

PERFORMANCE COATINGS INTERNATIONAL LABORATORIES

PERFORMANCE COATINGS INTERNATIONAL 600 S. Murray St. Bangor, PA 18103 T: 610.588.7900 F: 610.588.7901 www.pcoatingsintl.com