

POLAGARD AG™

Anti-Graffiti Coating



DESCRIPTION

POLAGARD AG (Anti-Graffiti) is a remarkable aliphatic urethane that cures to form an extremely tough, hard-wearing, protective coating. It will vigorously protect the substrate against graffiti and vandalism, weather, chemical attack and abrasion. POLAGARD AG meets or exceeds all Department of Transportation coating system requirements for soundwalls, bridges and Jersey barriers

OUTSTANDING FEATURES

- Can be used over masonry, EIFS, plastic and mineral composites, wood and wood composites, brick, stucco, concrete, structural steel, industrial equipment and other surfaces
- Graffiti can be removed repeatedly without damaging or sacrificing POLAGARD AG or the substrate
- Protects your investment by increasing the effective service life of the substrate
- Waterproofs and is salt & chemical resistant
- Facilitates easy, rapid removal of graffiti, dirt, soot, and other contaminants
- Remains tough at low temperatures and will not soften at high temperatures
- Protects metals with corrosion-inhibiting components
- Resists age-induced embrittlement and retains long-life flexibility

- Sets quickly and develops strength rapidly

APPLICATION

Clear Finish Preparation

The substrate must be clean, dry, and free of loose particles, oils, or any substance that would interfere with adhesion. All repairs should be made prior to application of POLAGARD AG, and all repair materials must have completed setting or curing; otherwise, poor adhesion or discoloration may occur. E.I.F.S. and other materials that may be weakened by solvent exposure should be sealed with CLEARCOAT AQ. Concrete and all cementitious materials must be adequately cured (normally about 28 days).

Colored Finish Preparation

The substrate must be clean, dry, and free of loose particles, oils, or any substance that would interfere with adhesion. All repairs should be made prior to the application of POLAGARD AG, and all repair

materials must have completed setting or curing; otherwise, poor adhesion or discoloration may occur. Metals should be primed with POLAPRIME 21. Wood and mineral composites should be primed with POLAPRIME 2. Other surfaces may need priming; refer to POLAPRIME data sheets for further information. Painted surfaces should be tested for compatibility. The best results may be obtained by complete removal of the paint without causing damage to the substrate. Some painted surfaces may require treatment with POLAPRIME 7 to prevent bleed-through or staining. After preparation is complete, a coat of WEARCOAT 44 should be applied at a rate of 200 square feet per gallon.

Application of Top Coats

POLAGARD AG Part A should be added to POLAGARD AG Part B and stirred thoroughly for 3 minutes using a mechanical, E.P. rated

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SPECIFICATIONS	
Sealer Type	Aliphatic Urethane
VOC	300 gms/liter
Pot Life	2 hours at 70°F
Shelf Life	12 months (unopened) from date of manufacture
Recommended Thickness	3 mils dry film thickness minimum
Coverage	Approx 260 square feet per gallon/coat, depending upon substrate
Packaging	3 gallon and 15 gallon units
Color	Clear

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mixer. After the air bubbles from mixing have been released, the Polagard AG may be applied by brush, roller, or airless spray. Application to porous or highly textured surfaces may require two or three coats to obtain complete protection. Application over Wearcoat 44 is normally one single coat unless the surface is highly textured; then, two coats may be necessary. A minimum of 6 hours cure time is necessary prior to re-coating and a maximum of 72 hours shall be allowed for re-coating; otherwise, sanding,

sweep blasting, or other surface abrasion may be necessary to obtain adequate intercoat adhesion.

LIMITATIONS

Do not apply to frozen surfaces. Do not apply unless the temperature can be maintained above 40°F for 8 hours. Surfaces must remain at least 5°F above dewpoint during application and curing process. Application must be protected from precipitation for at least 4 hours. Do not contaminate product with moisture.

MAINTENANCE

To remove graffiti, use environmentally approved cleaner to repair any damage to the coating

PRECAUTIONS

Read the container label warning and Material Safety Data Sheet (MSDS) for important health and safety information prior to the use of this product.

Keep out of reach of children and pets.

For more information, call our Technical Department.

TECHNICAL DATA		
Removal of Graffiti	Cleanability Level 1	ASTM D-7089-06
Flexibility at Low Temperature	180 deg. bend @ 20°F	ASTM C-711
Elongation Unsupported	10%	ASTM D-412
Tensile Strength	3,000 psi	ASTM D-412
Flashpoint	105°F	FTMS 141A(M4293)
Solids Content	68% (B.W.); 64% (B.V.)	ASTM D-1044
Abrasion Resistance	27 lt/mil	ASTM D-968-05
Shore 'A' Hardness	97	ASTM D-2240
Moisture Vapor Transmission	1.84 gms/M2/24 hrs (=0.16 perms)	ASTM E-96
Weatherometer (5000 hrs)	Pass	ASTM G-23
Chemical Resistance	Passes 200 Mek Double Rubs	ASTM D-5402-06
Dry Time	6 hrs @ 70° F (50% RH)	ASTM D-1640
Cure Time	72 hrs @ 70° F (50% RH)	ASTM D-1640

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