



IG-Series
Pinnacle 330 S/G
High Solids Acrylic Polyurethane

Product Data Sheet

PRODUCT DESCRIPTION

Pinnacle 330 Semi-Gloss Urethane is a two component; aliphatic/acrylic polyurethane coating that has superior performance in a heavy duty industrial environment. 330 S/G Urethane has excellent color and gloss retention, good flexibility and abrasion resistance, and is resistant to a wide range of solvents and chemical under splash and spill conditions. V.O.C. Compliant.

TYPICAL USES

It is formulated for use on properly primed exterior steel tanks, structural steel and equipment, galvanized steel, concrete and masonry surfaces in highly corrosive environments or prolonged exterior exposure. NOT INTENDED FOR IMMERSION SERVICE.

BASES & COLORS (tintable with 844 colorant)

IG-1250 Cotton White
White Base (IG-1251), Deep Base (IG-1253), Clear Base (IG-0254), Part B (IG-0220)

PHYSICAL PROPERTIES(IG-1250)

Resin Type	Aliphatic Isocyanate Covered Acrylic Urethane
Clean-up Solvent	N-3023 Xylol
Finish	30 - 40 @ 60°
Solids by Weight	79 %
Solids by Volume	64 %
Recommended Dry Film Thickness per Coat	2 - 3 mils
Wet Film to Achieve DFT	3 - 5 mils
Theoretical Coverage @ 1 mil	1026 ft ² /gallon
Practical Coverage at Recommended DFT ¹	342 - 513 ft ² /gallon
<u>Dry Times</u> ² @ 70° F (21° C) and 50% R.H.	Touch 1 1/2 hours Recoat Min. 5 hours
VOC's	300 grams/liter

1 Spread rates are estimates based on products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

2 Dry times may vary depending upon temperature, humidity and degree of air movement.

SPECIFICATIONS

Ferrous Metal

1 ct LF-Series Mult-E-Poxy
Or
1 ct LF-Series V-Tech 500 Hi-Build Epoxy Primer
Or
1 ct LU-Series V-Tech 600 Universal Primer
2 cts Pinnacle 330S/G Urethane

Masonry Surfaces

1 ct LF-Series Mult-E-Poxy
2 cts Pinnacle 330S/G Urethane

Galvanized & Aluminum Surfaces

1 ct LF-Series Mult-E-Poxy
Or
1 ct LF-Series V-Tech 500 Hi-Build Epoxy Primer
2 cts Pinnacle 330S/G Urethane

For more detailed recommendations, please contact your local Diamond Vogel Sales Representative.

SURFACE PREPARATION

All surfaces must be cured, clean, sound, dry and free of all dirt, dust, efflorescence, wax, oil, grease, chalk and any other contamination that would interfere with new coating adhesion. **Bare surfaces must be properly prepared prior to application of this product.**

Ferrous Metal: An abrasive blast to SSPC-SP-6 commercial blast is recommended, Prime with Mult-E-Poxy 180, V-Tech 500 Hi-Build Epoxy Primer or V-Tech 600 Universal Primer. If blasting is not possible, remove loose rust and mill scale with hand or power abrading tools per SSPC-SP-2 or SSPC-SP-3.

Masonry Surfaces: New concrete must cure for a minimum of 30 days at 72° F (22°C) prior to coating and remove all soluble salts.

New Galvanized & Aluminum Surfaces: Solvent wipe to remove surface contamination, and then use a cleaning and etching solution or blast per SSPC-SP-7 brush-off blast.

Weathered Galvanized & Aluminum Surfaces: Power or hand wash with detergent and rinse thoroughly. The surface must be dull and have a profile; use a cleaning and etching solution if needed.

Previously Painted Surfaces

- Power or hand washing is recommended to remove contamination. If oil or grease is present, use of a cleaner/degreaser is required. All cleaning residue must be completely rinsed from the surface. Allow to dry.
- Remove all loose coatings, rust and corrosion by scraping, sanding or other abrading method as per SSPC-SP-2 and SSPC-SP-3. Dull glossy, slick and/or non-porous surfaces with sandpaper.

Mildew

Remove by using a solution of one (1) part household bleach and three (3) parts water. Apply to mildewed area and scrub. Allow solution to remain on the surface for 3 to 5 minutes then rinse completely and allow to dry before coating application. Do not add detergents or ammonia to the bleach/water solution.

APPLICATION

- Part A (resin) and part B (cure) are packaged in pre-measured kits, the mixing ration is 9 parts A to 1 part B.
- Stir individual components prior to mixing.

APPLICATION (continued)

- Thoroughly mix Part B into Part A using an explosion-proof power drill and Jiffler mixer to disperse pigments.
- The material must be applied with the estimated pot life. For optimum application, material should be from 50° to 90° F (10° to 32° C) above the dew point, Above 122° (50° C), sagging may occur.
- Apply product in full even coats. Maintain a wet edge. To insure adequate film build, two coats are recommended when applying by brush or roller (See the drying times chart for recoat period). Use a roller with a nap of 3/8" or use a China bristle brush.
- Flush airless lines with Xylol, equipment must be clean prior to start. Apply a wet coat in even, parallel passes with 50% overlap to avoid bare areas and pinholes. If required, cross spray at right angles.

ENVIRONMENTAL VARIABLES

Protect product from freezing prior to and during application. Minimum surface and air temperature required for application is 40° F (4° C) and at least 5° F (3° C) above the dew point. While this product is not subject to freezing, curing is affected by temperature, humidity and air movement; cold temperatures will greatly increase the dry time. Application at elevated temperatures, wind conditions, and/or low humidity may require special application procedures to achieve proper film formation.

Safety Data

"Material Safety Data Sheets" are available from you Diamond Vogel representative. Prior to use of this product, obtain and review the Material Safety Data Sheet for health and safety information. Read and observe all precautionary notices on container labels. NOT INTENDED FOR RESIDENTIAL USE.

For more detailed technical information on recoat times, application and environmental variables, request a Pinnacle 330 S/G Urethane Heavy Duty Protective Coatings technical data sheet or contact your Diamond Vogel Representative.

*WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the national Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Limited Warranty

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel Paints does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel Paint's liability will under no circumstances exceed replacement of the product.