

Description

Polytec Semi-Gloss is a premium plus exterior, single component, high performance architectural and light industrial coating, which is uniquely formulated with a combination of high performance self-crosslinking acrylic and polyurethane polymers fused with proprietary resin technologies. This product was developed for use over a wide variety of surfaces which include ferrous and non-ferrous metal, wood, concrete, masonry, aged alkyds and various plastics. It has a wide application window, can be used under extreme environmental conditions and as a direct to metal (DTM). It offers excellent flash rust/early rust and long term corrosion resistance as well as resistance to abrasions, stains, moisture and both household & industrial chemicals. It has excellent color & gloss retention and does not yellow, is fast dry and suitable for use in USDA inspected facilities.

Recommended Uses

For use on metal doors, frames and wrought iron surfaces of all types. It can also be used over properly prepared concrete / masonry, wood, many commercially available plastics and ceramic surfaces. **NOT for use on kitchen cabinets or table tops. For kitchen cabinets use Polytec Interior products.**

Colors

White and Black.
Bases: P, D, A and H

Packaging

One and five gallon containers

Finish

Semi-Gloss, sheen @ 60° = 50.0% (+/-5.0%)

Surface Preparation

Surfaces must be clean, dry and free from all contaminants that may impair adhesion. **Passivation coatings applied to galvanized metal must be removed prior to priming. Newly galvanized substrates should be tested for chromates. Refer to SSPC SP-16 for proper testing and surface preparation.**

Primer

Concrete/Masonry:	4600 Uniprime II 8000 Carefree Prime-ZALL
Wood:	4000 Uniprime 8000 Carefree Prime-ZALL
Metal Non-Galvanized:	8600 Polytec Primer 9600 Protec Metal Primer
Metal Galvanized:	8600 Polytec Primer 4800 Metal Pro Primer
Aluminum:	8600 Polytec Primer

Application

Brush, roll or spray. Ambient and surface temperatures must be above 55°F and relative humidity below 80%. Clean tools with soap and water.

Drying Time

Touch: 1 hour
Recoat: 3 hours

Coverage

Up to 350 sq. ft. per gallon, depending on porosity and texture of the surface.

Mill Thickness

Wet = 5.0 Dry = 2.0

Thinning

Use water sparingly.

Composition

Titanium Dioxide	23.0%
Extenders	2.4%
TOTAL PIGMENT	25.4%
Proprietary Resin	26.3%
Additives	4.5%
Water	43.8%
TOTAL VEHICLE	74.6%

Weights & Measurements +/-3.0%

Solids by Volume:	38.0%
Solids by Weight:	50.0%
VOC:	<50 g/l
Weight Per Gal:	10.14 lbs.
Viscosity:	100 - 110 KU

Testing

Adhesion (ASTM D 3359-97)	
on steel panel	0% rem
Prohesion (ASTM D 5894-96)	
on steel panel (1000 hours)	No Corrosion
Humidity Resistance (ASTM D 4587-91)	
on steel panel (100 hours)	10 (no effect)

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings
LEED - complies with LEED 2009

DISCLAIMER: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance and offered in good faith. All technical information is subject to change without prior notice. This product is guaranteed to give satisfactory performance if applied and used in accordance with the label instructions. Any liability shall be limited to a refund of the purchase price, or replacement of this product. This warranty does not include labor or cost of labor for the application of any coating. All express and all implied warranties are hereby disclaimed and excluded including all implied warranties of fitness for a particular use and merchantability. Final determination of the suitability of product or intended use is the sole responsibility of the user. Additional information may be obtained from your local sales representative.

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