

## Description

Polytec Semi-Gloss is a premium plus, 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. It is environmentally responsible with a VOC of <50 g/l with very low odor making it an excellent product choice for interior applications.

## Recommended Uses

Interior and exterior architectural and light industrial applications including application over 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.

## 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. Some metal surfaces such as galvanized metal may need to be acid-etched and cleaned of acid residue. Glossy or slick surfaces must be scuff sanded prior to application of paint coatings and may require priming.

## Primer

Concrete/Masonry:	4600 Uniprime II
Wood:	6600 Aqua Lac
Ferrous/Non-Ferrous Metal:	9600 Protec Metal Prime White 9610 Protec Metal Prime Red Oxide
Galvanized:	4800 Metal Pro White 4810 Metal Pro Red Oxide

## 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:	6 hours

## Coverage

300 - 350 sq. ft. per gallon, depending on surface.

## Mill Thickness

Wet = 5.0      Dry = 2.0

## Thinning

Use water sparingly.

## Composition

<b>TOTAL PIGMENT</b>	<b>17.4%</b>
Titanium Dioxide	15.2%
Extenders	2.2%
<b>TOTAL VEHICLE</b>	<b>82.6%</b>
Proprietary Resin	26.3%
Additives	4.5%
Water	51.8%

Weights & Measurements +/-3.0%

Solids by Volume:	35.25%
Solids by Weight:	44.5%
VOC:	<50 g/l
Weight Per Gal:	10.14 lbs.
Viscosity:	100 - 110 KU

## Testing

Adhesion (ASTM D 3359-97)	
on steel panel	0% removal
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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