

Description

Polytec DTM 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 as a DTM over ferrous and non-ferrous metals. Additionally this product may be used over a wide variety of surfaces including wood, concrete, masonry, aged alkyds and various plastics.

Polytec DTM Gloss can be used under extreme environmental conditions. It offers excellent flash rust, long term corrosion & abrasion resistance. This product also provides resistance to abrasions, stains, moisture and both household & industrial chemicals. It has excellent color & gloss retention, does not yellow, is fast dry and suitable for use in USDA inspected facilities.

Recommended Uses

Ideal for use on properly prepared and primed structural steel, equipment, 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 surfaces exposed to hand oils, lanolin, on kitchen cabinets or table tops. For handrails, or surfaces exposed to hand oils, use the Polytec 5700 series product.**

Colors

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

Packaging

One and five gallon containers

Finish

Semi-Gloss, sheen @ 60° = 75.0% (+/-3.0%)

Surface Preparation

Remove oil, grease, dirt, loose rust, loose peeling paint or other contaminants that may impair adhesion and affect performance. Glossy or slick surfaces should be lightly sanded. **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

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

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	17.0%
TOTAL PIGMENT	17.0%
Proprietary Resin	27.0%
Additives	4.7%
Water	51.3%
TOTAL VEHICLE	83.0%

Weights & Measurements +/-3.0%

Solids by Volume:	37.0%
Solids by Weight:	46.0%
VOC:	<50 g/l
Weight Per Gal:	9.72 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.

Revised 10.2020

