

POLITHERM 28 TF R SM VARNISH COLORLESS 00010 UM

Code: 10006020

PRODUCT DESCRIPTION

TGIC-free polyester powder coating with good adhesion, flexibility and chemical resistance. It has high physical resistance and good weathering resistance.

RECOMMENDED USE

Coating of metal parts for industrial purposes in outdoor environments. Recommended for thicker parts or reduced baking cycles.

PROPERTIES

Due to its lack of hiding power, the varnish reveals tonal variations of the underlying substrate.

CERTIFICATIONS AND APPROVALS

Free from heavy metals and other substances provided for in RoHs Directive 2015/863 EU of 31/03/2015.

PACKAGING

Cardboard box with 15 kg in high-density polyethylene bag.

CHARACTERISTICS OF MANUFACTURED PRODUCT

Resin	Polyester
Gloss	Ultra matte
Finish	Smooth
Specific gravity ($\pm 0,10$)	1,25 g/cm ³
Theoretical Coverage	65.1 ft ² /lb (13,33 m ² /kg) in medium thickness 2.4 mils (60 μ m)
Mass loss during cure	Maximum 2%
Moisture content	Maximum 0.6%
Shelf life	12 months
Storage condition	It must be stored in closed containers, in cool, dry and covered places, at an ambient temperature not exceeding 86°F (30°C).

APPLICATION CHARACTERISTICS

Substrate	Ferrous metals Non-ferrous metals
Surface preparation	Ferrous : Phosphatization or nanoceramic Non-ferrous: Chromatization or nanoceramic
Surface cleaning	The performance of this product is related to the degree of surface preparation. The surface must be clean, dry and free of any contaminants. Completely remove oils, grease and fats.
Thickness	2.0 mils (50 μ m) - 2.8 mils (70 μ m)
Cure conditions	15 min à 392 °F (200 °C) (metal temperature).
Application system	Electrostatic spray gun corona

NOTE:

For non-ferrous metals phosphatizing, please contact our technical service.

CHARACTERISTICS OF APPLIED PRODUCT

Test	Specification/Standard
Gloss 60°	0 - 5 (ASTM D523)

CHEMICAL RESISTANCE CHARACTERISTICS



	Test	Specification/Standard
	Humidity	Minimum 1500h (ASTM D2247)
	Salt spray	Minimum 700h (ASTM B117)
NOTE:	In the chemical resistance tests, the substrate used was cold-rolled steel sheet with tricationic phosphate. The mechanical resistance tests were performed on degreased common steel sheet under specific curing and coating conditions for the product. The values may vary depending on the substrate used.	
SAFETY PRECAUTIONS		
Guidance is available in the product's Safety Data Sheet (SDS).		
NOTE	The information provided herein is based on our testing and experience and is intended to inform you about the product and its possible applications. The information provided in this bulletin is not intended to be complete, and the user assumes the risk of using the product for a purpose other than the specifications recommended in this bulletin without first obtaining our written confirmation of its suitability for the intended purpose. While we strive to ensure the accuracy of the information provided herein, we cannot control the quality or condition of the substrate, nor any other factors that affect the use and application of this paint. Therefore, unless we agree in writing to any condition that deviates from our recommendations, we accept no liability that may arise regarding the performance of this product. The information contained in this bulletin is subject to change without notice, based on our experience and policy of continuous development.	