



POLITHERM 10 R SM WHITE 62470 BR

Code: 10001255

PRODUCT DESCRIPTION

Hybrid powder coating with good adhesion and flexibility, in addition to good physical and chemical resistance.

RECOMMENDED USE

Coating of metal parts for use in indoor or sheltered environments. Recommended for thicker parts or reduced baking cycles.

PROPERTIES

There may be, among batches, some variations in the color shade around the pattern exhibited.

The presence of spots is also admitted.

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 55 lb in high-density polyethylene bag.

CHARACTERISTICS OF MANUFACTURED PRODUCT

Resin	Epoxy/Polyester
Gloss	Bright
Finish	Smooth
Specific gravity ($\pm 0,10$)	1,72 g/cm ³
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.

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	2.4 mils - 3.1 mils
Cure conditions	10 min à 392 °F (metal temperature).
Cure windows	20 min - 30 min at 356 °F 15 min - 25 min at 374 °F 10 min - 18 min at 392 °F 8 min - 12 min at 410 °F
Application system	Electrostatic spray gun corona

NOTE:

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

CHARACTERISTICS OF APPLIED PRODUCT



NOTE: There may be variations in the tone, brightness and spread of the film around the pattern presented. The presence of spots and craters is also permitted. This product may present variations in mechanical resistance (impact, adhesion and flexibility) within the batch and between batches. Mixing between different batches of paint can generate incompatibility that can be seen as a haze (visual reduction in gloss). Technical Quality Complaints involving the characteristics described above will be considered unfounded and without compensation coverage.

CHEMICAL RESISTANCE CHARACTERISTICS		
	Test	Specification/Standard
	Humidity	Minimum 500h (ASTM D2247)
	Salt spray	Minimum 300h (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	
Non-hazardous coating, no special transport required. Guidelines are 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.