



POLITHERM 27 R MT WHITE W RAL 9016 BR

Code:		10801081
PRODUCT DESCRIPTION		
		Polyester powder coating with good adhesion, flexibility, and chemical and yellowing resistance. It has high physical resistance and good weathering resistance.
RECOMMENDED USE		
		Coating of metal parts for industrial purposes in outdoor environments.
PROPERTIES		
		Enhanced with additives to reduce baking time and/or temperature.
		The texture pattern is sensitive to temperature variations. It is recommended to bake in a preheated oven at the product baking temperature.
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 25 kg in high-density polyethylene bag.
CHARACTERISTICS OF MANUFACTURED PRODUCT		
	Resin	Polyester
	Gloss	Bright
	Finish	Microtexture
	Specific gravity (± 0,10)	1,67 g/cm³
	Theoretical Coverage	7,49 m²/kg in medium thickness 80 µm
	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 30°C.
APPLICATION CHARACTERISTICS		
	Substrate	Ferrous metals Non-ferrous metals
	Surface preparation	Ferrous : Phosphatization Non-ferrous: Chromatization or phosphatization
	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	70 µm - 90 µm
	Cure conditions	10 min à 180 °C (metal temperature).
	Cure windows	15 min - 25 min at 170 °C 10 min - 20 min at 180 °C 7 min - 15 min at 190 °C 5 min - 12 min at 200 °C
	Application system	Electrostatic spray gun corona
NOTE:		
		For non-ferrous metals phosphatizing, please contact our technical service.
CHARACTERISTICS OF APPLIED PRODUCT		
	Test	Specification/Standard



Adhesion	Maximum GR0 (ASTM D3359)
Gloss	Visual standard
Impact	Minimum 40 kg.cm (ASTM D2794)
Flexibility (conic mandrel)	Maximum 3,00 mm (ASTM D790)

CHEMICAL RESISTANCE CHARACTERISTICS	
Test	Specification/Standard
Humidity	MINIMUM 1500 h (35 °C)
Salt spray	Minimum 500h (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).
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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.