



POLITHERM 96 WFQ R SM WHITE 60271 BR

Code:		15964278
PRODUCT DESCRIPTION		
		QUALICOAT-approved polyester powder coating, offering excellent adhesion and flexibility, as well as good chemical and yellowing resistance. It has high physical resistance and excellent weathering resistance.
RECOMMENDED USE		
		QUALICOAT-approved coating for metal parts intended for industrial and architectural applications in outdoor environments.
PROPERTIES		
		This coating, when properly applied and cured is suitable for the use of adhesives and sealants. However, because of the different products on the market, it requires prior testing by the user in order to select the adhesive and / or sealant appropriate.
CERTIFICATIONS AND APPROVALS		
		Free from heavy metals and other substances provided for in RoHs Directive 2015/863 EU of 31/03/2015.
		APPROVAL N° P-2044
PACKAGING		
		Cardboard box with 25 kg in high-density polyethylene bag.
CHARACTERISTICS OF MANUFACTURED PRODUCT		
Resin		Polyester
Gloss		Bright
Finish		Smooth
Specific gravity (± 0,10)		1,56 g/cm³
Theoretical Coverage		9,16 m²/kg in medium thickness 70 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		Aluminum: Chromatization. Aluminum: Nanoceramic Galvanized steel: 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		60 µm - 80 µm
Cure conditions		10 min à 200 °C (metal temperature).
Cure windows		15 min - 50 min at 190 °C 10 min - 40 min at 200 °C
Application system		Electrostatic spray gun corona
CHARACTERISTICS OF APPLIED PRODUCT		
Test		Specification/Standard



	Adhesion	Maximum GR0 (ASTM D3359)
	Gloss 60°	92 - 100 (ASTM D523)
	Impact	Minimum 50 kg.cm (ASTM D2794)
	Flexibility (conic mandrel)	Maximum 3,00 mm (ASTM D790)
	Cupping test	Minimum 5,0 mm (EN ISO 1520)
	Indentation	Minimum 80 (EN ISO 2815)
	Bend test (5mm diameter cilinder)	No cracking or detachment (EN ISO 1519)
CHEMICAL RESISTANCE CHARACTERISTICS		
	Test	Specification/Standard
	Humidity	Minimum 1000h (ASTM D2247)
	Acetic salt spray	Minimum 1000h (ISO 9227)
NOTE:	Chemical resistance and mechanical strength tests were performed on aluminum sheets pretreated with zirconium nanoceramic under curing conditions and coatings specific to the product. Values may vary depending on the substrate and pretreatment 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.	