



POLITHERM 86 R MT BROWN SBL 75153 MA

PRODUCT: 17316489

QUALICOAT P-1031

DESCRIPTION / USES: Coating for architectural aluminum and galvanized steel, suitable for outdoor use. Politherm 96 WQF Series is Qualicoat certified in Class 1, gloss category 1. ABNT NBR 14125.

CHARACTERISTICS:

Resin:	Poliéster
Specific gravity:	1,57 ± 0,10 g/cm ³
Stability:	12 month (max. 30°C)
Observations:	Free of heavy metals and other substances provided for in Directive 2015/863 EU of 03/31/2015 (RoHS).

APPLICATION CHARACTERISTICS:

Surface:	Aluminum, galvanized steel
Surface preparation:	Aluminum: Chromatization or chrome free chromatization Galvanized steel: Phosphatization (zinc or tricationic)
Cure conditions:	20 a 50 minutos a 180°C 10 a 15 minutos a 200°C
Thickness:	60 - 80 µm
Application system:	Electrostatic gun

AFTER CURE CHARACTERISTICS:***

TEST	METHOD	SPECIFICATION
ADHESION	ASTM D 3359	Maximum GR0
GLOSS @ 60°	ASTM D 523	15 - 20 UB
IMPACT TEST (15,9mm diameter indenter)	ASTM 2794	Minimum 50 kg.cm
CUPPING TEST	EN ISO 1520	Minimum 5 mm
INDENTATION	EN ISO 2815	Minimum 80
BEND TEST (5 mm diameter cilinder)	EN ISO 1519	No cracking or detachment
FLEXIBILITY (CONIC MANDREL)	ASTM D 790 / ISO 178	Maximum 3 mm

CHEMICAL RESISTANCE ***

Salt spray:	Minimum 1000 h (ASTM B117 – 03)
Humidity:	Minimum 1000 h (35°C)

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

** After stabilization on correct temperature (metal temperature).

*** The tests were conducted on degreased aluminium panels in accordance with the cure and thickness specifications. The results may vary, depending on the surface characteristics. For chemical resistance testing, panels were degreased and treated with tricationic phosphat.

IMPORTANT: 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.

If is not possible the use of the product according to the directions given above we ask you to contact our technical service.

STORAGE: Fresh, dry and covered place.

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