



POLITHERM 10 R SM BLACK 70404 UM

PRODUCT: 1816749

DESCRIPTION / USES: Metallic parts coating for indoor use.

CHARACTERISTICS:

Resin:	Epoxy / Polyester
Specific gravity:	1,73 g/cm ³
Shelf life:	6 months (max. 86 °F)
Observations:	Free of heavy metals and other substances provided for in Directive 2015/863 EU of 03/31/2015 (RoHS).

APPLICATION CHARACTERISTICS:

Surface:	Ferrous and non-ferrous
Surface preparation:	Ferrous : Phosphatization Non-ferrous: Chromatization or phosphatization*
Cure conditions:	10 minutes at 392 °F
Thickness:	2.4 - 3.1 mils
Application system:	Electrostatic gun

AFTER CURE CHARACTERISTICS:***

TEST	METHOD	SPECIFICATION
ADHESION	ASTM D 3359	5B
GLOSS @ 60°	ASTM D 523	4 - 6 UB
IMPACT (REVERSE)	ASTM 2794	Minimum 35 Lb/in
FLEXIBILITY (CONIC MANDREL)	ASTM D 790 / ISO 178	Minimum 5 mm

CHEMICAL RESISTANCE ***

Salt spray:	Minimum 300 h (ASTM B117 - 03)
Humidity:	Minimum 500 h (89,6 °F)

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

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

*** The tests were conducted on degreased steel 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: 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.

COPY FOR INFORMATION

Review:

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Date: 29/07/2025