POLITHERM 26 R ME VARNISH ALUMINIUM 30270 BR

PRODUCT: 10005698

DESCRIPTION / USES Metallic parts coating for outdoor use.

ATTENTION:

Resistance: This product presents metallic effect with superior chemical resistance to humidity and stain when compared to regular metallic coatings. However, it is sensible to scratches and can present decreased effect when in contact with humidity and regular cleaning products. The metallic effect undergoes major changes in case of intense handling, contact with chemicals (including some more aggressive cleaning products) and friction between parts or abrasive objects.
Protection: It´s recommended applying a uniform layer of clear coat to protect this film against wear. It should be noted that this procedure reduces the metallic effect and this reduction is variable depending on the original level of metallic effect. It´s recommended pre-testing the use of the clear and this clear must be applied after a partial cure of the metallic coating.
Application: Metallic powder coatings should follow strict controls in the application process in order to reduce tonal variations. This occurs when there is variation in any one of the following: gun voltage, thickness, airflow, and way of application, substrate and sharp of the part. One should also avoid the following: recoating, re-use of recovered coating, presence of different mass parts in the same curing batch. The curing conditions (temperature/time/parts distribution) may also cause differences in metallic effect.
In short, each applicator should find the best parameters for a more homogeneous result.
As it is a product without covering power, the color tone varies depending on the thickness of the applied layer and the color of the substrate. Variations can also occur between varnish batches depending on the variation that exists within the shade limits of the dyes used.

CHARACTERISTICS:

Resin:	Polyester
Specific gravity:	1,20 ± 0,10 g/cm^3
Stability:	12 month (máx. 30ºC)
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 200 ºC**
Thickness:	50 – 60 µm
Application system:	Electrostatic gun

AFTER CURE CHARACTERISTICS*:**

TEST	METHOD	SPECIFICATION
ADHESION	WPS-3905	GR0
GLOSS	WPS-3854	Visual std.
IMPACT (REVERSE)	WPS-4130	Min. 50 kg X cm
FLEXIBILITY (CONIC MANDREL)	WPS-4856	Max. 3 mm

CHEMICAL RESISTANCE ***

Salt spray:	Min. 500 h (ASTM B117 – 03)
Humidity:	Min. 1000 h (35ºC)

* 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 figures may be change, depending on the surface characteristics. For chemical resistance tests the 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.