POLITHERM 27 R ME GREY SIMON 11108 SB

PRODUCT: 16514935

DESCRIPTION / USES: Polyester powder coating.
Surfaces exposed to outdoor environment.

ATTENTION:

Resistance: Metallic paints are sensitive to scratches and exhibit variable wear depending on the use situation of the parts. Metallic appearance may change in situations such as heavy handling, contact with chemicals (including cleaning products), and friction between parts or abrasive objects.
Protection: To protect the film from this wear and tear we recommend the application of a uniform layer of glossy polyester powder varnish. It should be noted that this procedure decreases the metal effect to varying degree, depending on the level of metallization of the paint. For non-gloss finishes, it is recommended to pre-test the use of varnishes with lower gloss. The application of the varnish should be done after the partial cure of the metallic paint
Application: Metalized powder paints must follow strict controls in the application process in order to reduce shade variations. This occurs when there is variation of gun tension, applied layer, airflow, application shape, and part shape and substrate type. One must also avoid overpainting, the use of recovered paint and the presence of different pieces of dough in the same furnishing. The delivery conditions (time / temperature / distribution of parts) can also cause differences in the metallic effect. In summary, each applicator must find the best parameters for a more homogeneous result.

CHARACTERISTICS:

Resin:	Polyester
Specific gravity:	1,72 ± 0,10 g/cm^3
Stability:	06 month (máx. 30ºC)
Observations:	Free of heavy metals according to RoHS Directive 2002/95/CE of 01/27/2003

APPLICATION CHARACTERISTICS:

Surface:	Ferrous and non-ferrous
Surface preparation:	Ferrous: Phosphatization Non-ferrous: Chromatization or phosphatization*
Cure conditions:	10 minutes at 180 ºC**
Thickness:	60 – 80 µm
Application system:	Electrostatic gun

AFTER CURE CHARACTERISTICS***:

TEST	METHOD	SPECIFICATION
ADHESION	ASTM D 3359	GR0
GLOSS @ 60°	ASTM D 523	Visual std.
IMPACT (REVERSE)	ASTM 2794	Min. 50 kg X cm
FLEXIBILITY (CONIC MANDREL)	ASTM D 790 / ISO 178	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 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.