

## POLITHERM 86 WFS R SM GRAY EMA 034 MF 50 10462 BR

**PRODUCT:** 13722384

**DESCRIPTION / USES:** Semi-matt powder coating for metallic parts intended to outdoor use. Superdurable polyester coating with excellent adhesion, flexibility and resistance to yellowing. Presents excellent exterior durability with colour and gloss retention greater than conventional polyester.

### CHARACTERISTICS:

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| <b>Resin:</b>            | Polyester                                                                 |
| <b>Specific gravity:</b> | 1,26 ± 0,10 g/cm <sup>3</sup>                                             |
| <b>Stability:</b>        | 12 month (max. 30°C)                                                      |
| <b>Observations:</b>     | Free of heavy metals according to RoHS Directive 2002/95/CE of 01/27/2003 |

### APPLICATION CHARACTERISTICS:

|                             |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| <b>Surface:</b>             | Ferrous and non-ferrous                                                      |
| <b>Surface preparation:</b> | Ferrous : Phosphatization<br>Non-ferrous: Chromatization or phosphatization* |
| <b>Cure conditions:</b>     | 10 minutes at 200 °C**                                                       |
| <b>Thickness:</b>           | 60 – 80 µm                                                                   |
| <b>Application system:</b>  | Electrostatic gun                                                            |

### AFTER CURE CHARACTERISTICS:\*\*\*

| TEST                        | METHOD   | SPECIFICATION    |
|-----------------------------|----------|------------------|
| ADHESION                    | WPS-3905 | : GR0            |
| GLOSS @ 60°                 | WPS-3854 | : MIN. 85 GU     |
| IMPACT (REVERSE)            | WPS-4130 | : Min 70 kg x cm |
| FLEXIBILITY (CONIC MANDREL) | WPS-4856 | : Max 3 mm       |

### CHEMICAL RESISTANCE \*\*\*

|                    |                               |
|--------------------|-------------------------------|
| <b>Salt spray:</b> | : Min. 800 h (ASTM B117 – 03) |
| <b>Humidity:</b>   | : Min. 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 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.