



## POLITHERM 96 WFQ R SM WHITE 60722 BR

**PRODUCT:** 18785705

**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 3.

### CHARACTERISTICS:

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Resin:</b>            | Poliéster                                                                                             |
| <b>Specific gravity:</b> | 1,53 ± 0,10 g/cm <sup>3</sup>                                                                         |
| <b>Shelf life:</b>       | 12 month (max. 86°F)                                                                                  |
| <b>Observations:</b>     | Free of heavy metals and other substances provided for in Directive 2015/863 EU of 03/31/2015 (RoHS). |

### APPLICATION CHARACTERISTICS:

|                             |                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Surface:</b>             | Aluminum, galvanized steel                                                                                        |
| <b>Surface preparation:</b> | Aluminum: Chromatization or chrome free chromatization<br>Galvanized steel: Phosphatization (zinc or tricationic) |
| <b>Cure conditions:</b>     | 15 a 20 minutes at 374°F<br>10 a 15 minutes at 392°F                                                              |
| <b>Thickness:</b>           | 2,4 - 3,2 mils                                                                                                    |
| <b>Application system:</b>  | Electrostatic gun                                                                                                 |

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

| TEST                                   | METHOD               | SPECIFICATION             |
|----------------------------------------|----------------------|---------------------------|
| ADHESION                               | ASTM D 3359          | Maximum GR0               |
| GLOSS @ 60°                            | ASTM D 523           | 85 - 100 UB               |
| IMPACT TEST (15,9mm diameter indenter) | ASTM 2794            | Minimum 43 Lb.in          |
| 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 \*\*\*

|                    |                                 |
|--------------------|---------------------------------|
| <b>Salt spray:</b> | Minimum 1000 h (ASTM B117 – 03) |
| <b>Humidity:</b>   | 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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Review: 00

Date: 7/15/25