SHERWIN-WILLIAMS.

TECHNICAL DATA SHEET

PE/P/M BLUE RAL 5005 HR – Code : 6280

Date: November 2021 **Indice : A**

GENERAL FEATURES :

This thermosetting powder contains polyester resins cured with fit curing agents specially selected for their superior resistance to UV radiation and outdoor weathering.
The Syntha Pulvin PE/P/M were created for coating aluminium components used in architecture and fulfill the requirements :

-Qualicoat class 1 –category 2 (license P-0106).
-GSB Florida 1 year (license 280 b).

ADVISED CYCLES :

The surface to be coated must be cleaned from oils, grease or flash rust.
A pretreatment Cr-free, Qualicoat or GSB approved, is required.

HANDLING AND STORAGE :

Store at temperatures lower than 30°C; higher temperatures may damage the powder by causing undesired alterations or blobs.
Storage life in original package: 24 months

TECHNICAL DATA :

Specific gravity : 1.43 ± 0.05
Theoretical spread rate (gr /m²) - 70 µm : 97-104
Film thickness : 60 – 80 microns
Gloss level - 60° : (25 – 35) GU
Particle size distribution :
-d(v,0.5) : (33.0-38.0) µm
-fines content <12 µm : (86.0-96.0) %

WAY OF APPLICATION :

Apply with guns with negative terminal (60/80KV) or triboelectric guns, automatically or manually.

CURING CONDITIONS :

For stoving of the PE/P/M products, the use of the following combinations of time and temperature is recommended :

-15-20 minutes at 200°C
-17-25 minutes at 190°C
-20-35 minutes at 180°C
} Temperature of the support

TECHNOLOGICAL FEATURES AND RESISTANCE TESTS :

Support used : aluminium panel ALQ-36
Film thickness : 60-80 microns
Stoving : 20 minutes at 180°C

Erichsen cupping test (ISO1520) : >5 mm
Reverse impact test (ISO6272-2; ASTM D 2794) : >2.5Nm
Cylindrical bend test (ISO1519) : diameter 5 mm

Resistance to humidity (ISO6270-2) - 1000 hours :
-no blistering
-indentation along the cross of maximum 1 mm.

NOTE TO USER :

The information contained in this document, while based on evidence and reliable methods cannot be considered exhaustive.
This information are current to the date of issuance of this data sheet, therefore is under user's responsibility to verify that the data provided on this sheet are current to the date of the product.
The user, under its own responsibility, shall respect all the existing provisions on hygiene and safety and shall verify every time the features and the specific and appropriate way to use the product, cause the respect of the provisions is not under producer's direct control.
The manufacturer does not guarantee nor assume any liability or responsibility for whatsoever harm that might result from a misuse of the product or for damages that have arisen after the product's distribution.

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