POLITHERM 55 HB R SM BLUE W RAL 5017 BR

PRODUCT: 14584617

DESCRIPTION / USES:

Epoxy powder coating, with high chemical and anti-corrosion resistance on steel. It has not resistance to weathering. Interior and exterior coating of special metallic pipes and valves that are in direct contact with drinking water. It has certification for contact with drinking water, Consolidation Ordinance No. 5 Annex XX NSF/ANSI Standard 61:2016 (Drinking Water System Components). Approved according to Technical Standard SABESP NTS 036. Products that meet the Directive Rohs have the description R in the product nomenclature.

CHARACTERISTICS:

Resin:	Epoxy
Specific gravity:	1,33 ± 0,10 g/cm^3
Stability:	6 month (máx. 30ºC)
Observations:	Free of heavy metals according to the RoHS Directive 2011/65/UE of 08/06/2011

APPLICATION CHARACTERISTICS:

Surface:	Ferrous
Surface preparation:	Ferrous: SA 2 ½ sandblasting. Roughness Profile between 40 and 60µm
Cure conditions:	Minimum 10 Minutes at 160ºC**. The temperature and the time may vary with application method. In fluidized bed, make necessary dips to reach the desired layer, waiting for the powder melting occurs on the part between dips. Heat the part to a temperature of 230ºC, apply the powder by immersion or electrostatic spray and cool naturally after application. For pieces with lower mass, and which lose temperature quickly, it may be necessary new cure in order to achieve the necessary cure.
Thickness:	Minimum 250µm. For physical and mechanical tests, we do not recommend exceeding the 450µm layer. Thickness greater than 450µm are expected during the application process, but cannot be used for mechanical testing.
Application system:	Electrostatic gun or fluidized bed

AFTER CURE CHARACTERISTICS*:**

TEST	METHOD	SPECIFICATION
GLOSS at 60°	ASTM D 523	: Minimum 80 UB
IMPACT	ASTM D 2794	: 7 Joules
POTABILITY TEST	ANSI/NSF 61	Consolidation Ordinance No. 5 Annex XX NSF/ANSI Standard 61:2016 (Drinking Water System components)

CHEMICAL RESISTANCE ***

Salt spray: : Minimum 2.160 h (ASTM B117 – 03)

SURFACE PREPARATION

The performance of this product is associated with the degree of surface preparation. To remove completely oil, grease and grease by applying a degreasing product. for pipes and valves, abrasive sandblasting, SA 2 ½, with a roughness profile between 40 and 60µm is recommended. After sandblasting, it is recommended to apply the coating briefly to avoid corrosion.

IMPORTANT: If it is not possible to use the product in accordance with the guidelines above, please contact our Department Technician.
STORAGE: In cool, dry and covered places, not exceeding a temperature of 30ºC.

Note

The information contained in this technical bulletin is based on experience and knowledge acquired in the field by WEG's technical team. In case of use of the product without prior consultation with WEG about its suitability for the purpose for which the customer intends to use it, the customer is aware that the use will be at his sole responsibility, and WEG is not responsible for the behavior, safety, suitability or durability of the product.
Some information contained in this bulletin are estimates only, and may vary due to factors beyond the manufacturer's control. Thus, WEG does not guarantee and assumes no responsibility regarding performance, performance or any material or personal damage resulting from the incorrect use of the products in question or the information contained in this Technical Bulletin.
The information contained in this technical bulletin is subject to periodic changes, without prior notice, due to the policy of evolution and continuous improvement of our products and services, providing quality solutions to satisfy the needs of our customers.