Epoxy TB-BT GREY RAL7016

FUSION BOND EPOXY COATING

Protective & Marine Coatings

ACS & KTW
Approved material

WRAS APPROVED MATERIAL

Revised: January 27, 2022

PRODUCT INFORMATION

PRODUCT DESCRIPTION

Epoxy TB-BT Grey RAL7016 Fusion Bond Epoxy Coating is a thermosetting epoxypowder coating engineered for use on interior coatings of pipe, valve, fittings and tank.

PRODUCT CHARACTERISTICS

Color: Grey

60° Gloss (ASTM D253): 75-95

Specific Gravity: 1.42 ± 0.05

Recommended Film Thickness: 130 – 330 microns (5 – 13 mils)

Gel Times and Cure Times:

Gel Time @ 180°C/356°F

30 - 35 seconds

Cure Time @ 180°C/356°F: *one coat up to 330 microns (13 mils)*

14 minutes

Shelf Life: 12 months at 77°F (25°C)

APPROVALS

- **ACS**: sanitary conformity for contact with drinking water in cold water (tests acc. To NF-EN 1420, NF-EN 13052-1 & NF-EN 12873-1 or 2)
- **WRAS**: Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water, up to 65 °C
- **KTW**: Conformity regarding the hygiene suitability for drinking water, up to 60 °C

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company.Such information and recommendations set forth herein are subject to change andpertain to the product offered at the time of publication. Consult your Sherwin- Williams representative to obtain the most recent Product Data Information and Application Bulletin

SAFETY PRECAUTIONS

Refer to the SDS sheet before use. Published technical data and instructions are subject to change without notice.
Contact your Sherwin-Williams representative for additional technical data and instructions

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

PERFORMANCE CHARACTERISTICS

Test name	Test method	Results
Erichsen cupping test	UNI-EN-ISO 1520	>3 mm
Direct impact test	ASTM D2794	>20 cm.kg
Conical mandrel bend	UNI-EN-ISO 6860	Bend test max 20 mm

ADDITIONAL INFORMATION

STORAGE AND HANDLING:
Store below 30°C (80°F) and 65% relative humidity. Shelf Life at 77°F (25°C) and 50% Relative Humidity is 18 months.
Protect from temperatures above 33°C (91°F). If stored belowthe application room temperature, allow to warm to room temperature before opening. Refer to the safety data sheet for more information.

APPLICATION GUIDELINES AND SEQUENCE

1. The surface must be free from oils, grease or flash rust. If particular resistance to corrosion or humidity is required, following pre-treatments are suggested:
   For steel: sand-blasting or/and iron or zinc phosphatizing
   For galvanized steel and aluminium : chromatising
2. Preheat substrate to 180 °C
3. Apply with guns with negative terminal (60/80KV) or triboelectric guns automatically or manually
   For the application on valves and fittings it is recommended to apply the product at dry film thickness between 130 and 330 microns, using electrostatic guns or fluidized bed on pre-heated support.
4. Cure until part metal temperature reaches 180 °C (356 °F) and hold for 14 minutes.