

PPG ENDUIT PANTOXY NF

DESCRIPTION

Two-component, polyamide-cured, waterborne epoxy filler

PRINCIPAL CHARACTERISTICS

- Filler for bug holes and surface cracks in concrete
- PIA/PIB/PIC/PID qualified by EDF for use in nuclear power plants

COLOR AND GLOSS LEVEL

- Gray
- Flat

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.73 kg/l (14.44 lb/US gal)
Volume solids	61 ± 2%
VOC (Supplied)	max. 44.0 g/l (approx. 0.4 lb/US gal)
Recommended dry film thickness	100 - 200 µm (4.0 - 8.0 mils) depending on requirements
Theoretical spreading rate	6.1 m ² /l for 100 µm (245 ft ² /US gal for 4.0 mils) 3.1 m ² /l for 200 µm (122 ft ² /US gal for 8.0 mils)
Dry to touch	30 minutes
Dry to overcoat	Minimum 24 hours
Shelf life	Base: 24 months when stored cool and dry Hardener: 24 months when stored cool and dry

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- The substrate must always be sound, dry and clean, in line with DTU 59-1 and DTU 59-3, before application
- Concrete must be free from laitance and any contamination
- Moisture content of concrete should be maximum 4 %

Substrate temperature and application conditions

- Substrate temperature during application should be between 10°C (50°F) and 30°C (86°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
- Relative humidity during application and curing should not exceed 80%
- Ambient temperature during application and curing should be between 10°C (50°F) and 35°C (95°F)

PPG ENDUIT PANTOXY NF

SYSTEM SPECIFICATION

- Application requires two steps: a first coat to impregnate and correct defects of the substrate and a second coat to surface and finish after the dry to overcoat time of the first coat
- Recoatable with itself, AQUAVIGOR 130, HYDROCENTRIFUGON PEINTURE NF, CENTRIFUGON EAP NF, ENDOKOTE BETON

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 1:1

- Adequate ventilation must be maintained during application and curing
- Must be protected from freezing at all times during storage and/or transport
- Too much water results in reduced sag resistance and slower cure
- Water should be added after mixing the components

Induction time

0 minute

Note:

- No induction time required

Pot life

2.5 hours at 20°C (68°F)

Airless spray

Recommended thinner

Tap water

Volume of thinner

0 - 10%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.43 – 0.48 mm (0.017 – 0.019 in)

Nozzle pressure

15.0 - 20.0 MPa (approx. 150 - 200 bar; 2176 - 2901 p.s.i.)

Note:

- After airless application, surface should be smoothed with trowel and/or roller using recommended thinners
-

PPG ENDUIT PANTOXY NF

Trowel

Recommended thinner

Tap water

Volume of thinner

0 - 5%

Note:

- For repairing large defects, apply a first coat with 30% by weight of C3 silica

Cleaning solvent

- Tap water
- DILUANT N°1 Bis

SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- Although this is a waterborne paint, care should be taken to avoid inhalation of spray mist, as well as contact between the wet paint and exposed skin or eyes

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

- Information sheet | Explanation of product data sheets

WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.