

PPG HYDROCENTRIFUGON PEINTURE NF

DESCRIPTION

Two-component, polyamide-cured, waterborne epoxy coating

PRINCIPAL CHARACTERISTICS

- EDF/ORANO (ex AREVA/COGEMA) and CEA-approved product

COLOR AND GLOSS LEVEL

- RAL 9010
- Limited color range available
- Gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.27 kg/l (10.60 lb/US gal)
Volume solids	39 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 5.0 g/kg max. 70.0 g/l (approx. 0.6 lb/US gal)
Recommended dry film thickness	40 - 70 µm (1.6 - 2.8 mils) depending on system
Theoretical spreading rate	9.8 m²/l for 40 µm (391 ft²/US gal for 1.6 mils) 5.6 m²/l for 70 µm (223 ft²/US gal for 2.8 mils)
Dry to touch	7 hours
Dry to handle	15 hours
Overcoating Interval	Minimum: 24 hours Maximum: 12 months
Shelf life	Base: 24 months when stored cool and dry Hardener: 12 months when stored cool and dry

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Concrete, cement, or primer previously cleaned and touched up if necessary
- The substrate must always be sound, dry and clean, in line with DTU 59-1 and DTU 59-3, before application
- Substrate must be dry, free from laitance and any contamination
- Depending on the condition of the substrate and to obtain a surface profile that is suitable for the coating requirements: grinding or sanding or blasting (recommended) or planing (for floors) followed by dust-removal

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Substrate temperature and application conditions

- Substrate temperature during application and curing 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)
- Substrate moisture content should not exceed 4% (Carbide method)

SYSTEM SPECIFICATION

- Can be applied on primers CENTREPOX N EVO, CENTREPOX PZ EVO, ENDUIT PANTOXY NF
- Recoatable with itself

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 1.78:1

- Adequate ventilation must be maintained during application and curing
- Must be protected from freezing at all times during storage and/or transport
- Slower curing for relative humidity higher than 60% and temperature lower than 15°C
- Water should be added after mixing the components

Induction time

0 minute

Note:

- No induction time required

Pot life

2 hours at 20°C (68°F)

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Air spray

Recommended thinner

Tap water

Volume of thinner

15 - 25%, depending on required thickness and application conditions

Nozzle orifice

0.141 in

Nozzle pressure

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

Note:

- When applied on cement or concrete, water thinning by 20 to 25% might be needed
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Airless spray

Recommended thinner

Tap water

Volume of thinner

5 - 10%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.38 - 0.48 mm (0.015 - 0.019 in)

Nozzle pressure

20.0 - 25.0 MPa (approx. 200 - 250 bar; 2901 - 3626 p.s.i.)

Brush/roller

Recommended thinner

Tap water

Volume of thinner

0 - 5%

Cleaning solvent

- Tap water
 - DILUANT N°1 Bis
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SAFETY PRECAUTIONS

- 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
- See Safety Data Sheet and product label for complete safety and precaution requirements

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

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