

CENTREPOX N EVO

DESCRIPTION

Two-component, polyamide-cured phenolic epoxy primer

PRINCIPAL CHARACTERISTICS

- General-purpose epoxy primer/coating for atmospheric conditions
- Suitable for atmospheric exposure conditions
- EDF/ORANO (ex AREVA/COGEMA) and CEA-approved product
- PIA/PIB/PIC/PID qualified by EDF for use in nuclear power plants

COLOR AND GLOSS LEVEL

- Light ochre
- Semi-gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.43 kg/l (11.93 lb/US gal)
Volume solids	62 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 278.0 g/kg max. 403.0 g/l (approx. 3.4 lb/US gal)
Recommended dry film thickness	45 - 80 µm (1.8 - 3.1 mils) depending on system
Theoretical spreading rate	13.8 m²/l for 45 µm (552 ft²/US gal for 1.8 mils) 7.8 m²/l for 80 µm (321 ft²/US gal for 3.1 mils)
Dry to touch	2.5 hours
Dry to handle	7 hours
Overcoating Interval	Minimum: 7 hours Maximum: 12 months
Shelf life	Base: at least 24 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA – Spreading rate and film thickness
- See ADDITIONAL DATA – Overcoating intervals

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Steel; blast cleaned to ISO Sa 2½ or SSPC-SP-10, blasting profile 50 – 75 µm (2.0 – 3.0 mils)



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Substrate temperature and application conditions

- Substrate temperature during application and curing should be above 5°C (41°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 5°C (41°F) and 35°C (95°F)
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INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 82:18 (4.56:1)

- The temperature of the mixed base and hardener should be above 10°C (50°F), otherwise extra thinner may be required to obtain application viscosity
 - Adding too much thinner results in reduced sag resistance and slower cure
 - Thinner should be added after mixing the components
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Induction time

0 minute

Note:

- No induction time required
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Pot life

8 hours at 20°C (68°F)

Air spray

Recommended thinner

THINNER 91-92 or DILUANT N°1 Bis

Volume of thinner

10 - 20%, depending on required thickness and application conditions

Nozzle orifice

1.0 - 2.0 mm (approx. 0.040 - 0.079 in)

Nozzle pressure

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

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Airless spray

Recommended thinner

THINNER 91-92 or DILUANT N°1 Bis

Volume of thinner

5 - 20%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.43 – 0.53 mm (0.017 – 0.021 in)

Nozzle pressure

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

Brush/roller

- For stripe coating and spot repair only

Recommended thinner

THINNER 91-92 or DILUANT N°1 Bis

Volume of thinner

0 - 5%

Cleaning solvent

- THINNER 91-92 or DILUANT N°1 Bis

ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
45 µm (1.8 mils)	13.8 m ² /l (552 ft ² /US gal)
80 µm (3.1 mils)	7.8 m ² /l (321 ft ² /US gal)



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Overcoating interval for DFT up to 40 µm (1.6 mils)		
Overcoating with...	Interval	20°C (68°F)
itself	Minimum	7 hours
	Maximum	12 months
CENTRIFUGON EAP EVO	Minimum	7 hours
	Maximum	12 months
HYDROCENTRIFUGON PEINTURE NF	Minimum	7 hours
	Maximum	12 months

Note:

- Surface should be dry and free from any contamination

SAFETY PRECAUTIONS

- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, 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

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