CENTRIFUGON EAP EVO

DESCRIPTION

Two-component, polyamide-cured phenolic epoxy coating

PRINCIPAL CHARACTERISTICS

- Suitable for atmospheric exposure conditions
- Resists accidental contact with diluted acids and bases, as well as aromatic, aliphatic and chlorinated solvents
- PIA/PIB/PIC/PID qualified by EDF for use in nuclear power plants
- EDF/ORANO (ex AREVA/COGEMA) and CEA-approved product

COLOR AND GLOSS LEVEL

- A wide range of colors
- Gloss

Note:

- Two coats may be required for low opacity colors

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.26 kg/l (10.52 lb/US gal)
Volume solids	62 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 305.0 g/kg max. 385.0 g/l (approx. 3.2 lb/US gal)
Recommended dry film thickness	40 - 60 µm (1.6 - 2.4 mils) depending on system
Theoretical spreading rate	15.5 m^2/l for 40 µm (622 ft^2/US gal for 1.6 mils) 10.3 m^2/l for 60 µm (414 ft^2/US gal for 2.4 mils)
Dry to touch	3 hours
Dry to handle	12 hours
Overcoating Interval	Minimum: 12 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

CENTRIFUGON EAP EVO

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Steel; blast cleaned to ISO-Sa2½, blasting profile 40 – 70 µm (1.6 – 2.8 mils)
- Careful dust-removal in line with standard ISO 8502-1 to 4
- Concrete must be sound, dry, free from laitance and any contamination
- Compatible previous coat must be dry and free from any contamination
- The substrate must always be sound, dry and clean, in line with DTU 59-1 and DTU 59-3, before application

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 (37°F) above dew point
- Relative humidity during application and curing should not exceed 80%
- Substrate temperature during application should not exceed 35°C (95°F)

SYSTEM SPECIFICATION

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

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 2.33:1

- 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

Induction time

0 minute

Note:

- No induction time required

Pot life

8 hours at 20°C (68°F)

CENTRIFUGON EAP EVO

Air spray

Recommended thinner

THINNER 91-92 or DILUANT №1 Bis

Volume of thinner

15 - 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.)

Airless spray

Recommended thinner

THINNER 91-92 or DILUANT №1 Bis

Volume of thinner

15 - 20%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.38 – 0.43 mm (0.015 – 0.017 in)

Nozzle pressure

18.0 - 20.0 MPa (approx. 180 - 200 bar; 2611 - 2901 p.s.i.)

Brush/roller

- For stripe coating and spot repair only

Recommended thinner

THINNER 91-92 or DILUANT №1 Bis

Volume of thinner

0 – 10%

Cleaning solvent

- THINNER 91-92 or DILUANT №1 Bis

CENTRIFUGON EAP EVO

ADDITIONAL DATA

Spreading rate and film thickness	
DFT	**Theoretical spreading rate**
40 µm (1.6 mils)	15.5 m^2/l (622 ft^2/US gal)
60 µm (2.4 mils)	10.3 m^2/l (414 ft^2/US gal)

Overcoating interval for DFT up to 50 µm (2.0 mils)		
Overcoating with...	**Interval**	**20°C (68°F)**
itself	Minimum	12 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

WARRANTY

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LIMITATIONS OF LIABILITY