CENTREPOX PZ EVO

DESCRIPTION

Two-component, polyamide-cured zinc phosphate epoxy primer

PRINCIPAL CHARACTERISTICS

- General-purpose epoxy primer in protective coating systems for steel and non-ferrous metals
- Fast-curing
- Recoatable with most two-component epoxy and polyurethane coatings
- EDF/ORANO (ex AREVA/COGEMA) and CEA-approved product
- ACQPA 23972-certified

COLOR AND GLOSS LEVEL

- Gray
- Semi-gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.35 kg/l (11.27 lb/US gal)
Volume solids	47 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 330.0 g/kg max. 455.0 g/l (approx. 3.8 lb/US gal)
Recommended dry film thickness	30 - 50 µm (1.2 - 2.0 mils) depending on system
Theoretical spreading rate	11.8 m^2/l for 40 µm (471 ft^2/US gal for 1.6 mils) 9.4 m^2/l for 50 µm (377 ft^2/US gal for 2.0 mils)
Dry to touch	1 hour
Dry to handle	6 hours
Overcoating Interval	Minimum: 6 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

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Steel; blast cleaned to ISO Sa2½, blasting profile 40 – 70 µm (1.6 – 2.8 mils)
- Galvanized steel must be free from grease, salts and any contamination
- Galvanized steel must be roughened up, preferably blast cleaned to a 1.5 mils (37 µm) profile
- Thermal aluminum sprayed steel or thermal zinc sprayed steel must be dry and free from any contamination
- On metallization, thinning must be adapted in order to obtain a dry film around 30 microns to prevent any risk of popping

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
- Substrate temperature during application and curing should not exceed 35°C (95°F) to obtain maximum resistance against chemical and mechanical influences
- 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)

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 3.55:1

- 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)

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Airless spray

Recommended thinner

THINNER 91-92 or DILUANT №1 Bis

Volume of thinner

5 - 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

Recommended thinner

THINNER 91-92 or DILUANT №1 Bis

Volume of thinner

0 – 10%

Cleaning solvent

- THINNER 91-92 or DILUANT №1 Bis

ADDITIONAL DATA

Spreading rate and film thickness	
DFT	**Theoretical spreading rate**
40 µm (1.6 mils)	11.8 m^2/l (471 ft^2/US gal)
50 µm (2.0 mils)	9.4 m^2/l (377 ft^2/US gal)

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Overcoating interval for DFT up to 50 µm (2.0 mils)		
Overcoating with...	**Interval**	**20°C (68°F)**
itself	Minimum Maximum	6 hours 12 months
two-component epoxies and polyurethanes	Minimum Maximum	6 hours 12 months
HYDROCENTRIFUGON PEINTURE NF	Minimum Maximum	6 hours 12 months

Note:

- Surface should be dry and free from any contamination

SAFETY PRECAUTIONS

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

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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