

# 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<br>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 <sup>2</sup> /l for 40 µm (471 ft <sup>2</sup> /US gal for 1.6 mils)<br>9.4 m <sup>2</sup> /l for 50 µm (377 ft <sup>2</sup> /US gal for 2.0 mils) |
| Dry to touch                   | 1 hours                                                                                                                                                   |
| Dry to handle                  | 6 hours                                                                                                                                                   |
| Overcoating Interval           | Minimum: 6 hours<br>Maximum: 12 months                                                                                                                    |
| Shelf life                     | Base: at least 24 months when stored cool and dry<br>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
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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
  - 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)
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## 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
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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)

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# CENTREPOX PZ EVO

**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. 0.38 – 0.43 mm (0.015 – 0.017 in)

**Nozzle pressure**

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

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**Brush/roller****Recommended thinner**

THINNER 91-92 or DILUANT N°1 Bis

**Volume of thinner**

0 - 10%

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**Cleaning solvent**

- THINNER 91-92 or DILUANT N°1 Bis
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**ADDITIONAL DATA**

| Spreading rate and film thickness |                            |
|-----------------------------------|----------------------------|
| DFT                               | Theoretical spreading rate |
| 40 µm (1.6 mils)                  | 11.8 m²/l (471 ft²/US gal) |
| 50 µm (2.0 mils)                  | 9.4 m²/l (377 ft²/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  | 6 hours     |
|                                                     | Maximum  | 12 months   |
| two-component epoxies and polyurethanes             | Minimum  | 6 hours     |
|                                                     | Maximum  | 12 months   |
| HYDROCENTRIFUGON PEINTURE NF                        | Minimum  | 6 hours     |
|                                                     | Maximum  | 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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