



New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

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

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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)
 - 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
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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%
 - Substrate temperature during application should not exceed 35°C (95°F)
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SYSTEM SPECIFICATION

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

Recommended thinner

DILUANT N°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

DILUANT N°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

DILUANT N°1 Bis

Volume of thinner

0 - 10%

Cleaning solvent

- DILUANT N°1 Bis
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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

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