

EPR W.B.T Epoxy

Product Description

EPR W.B.T. is a two-component epoxy primer /finish coat with excellent anticorrosive long lasting action. It is suitable for application in W.B.T. and any immersed area. It contains anticorrosive pigments. Conforms low fire spread ability requirements.

Recommended Use

As an excellent quick drying primer / finish coat for corrosion protection. Ideal for surfaces exposed to marine environment above and below the waterline. It can be applied to all surfaces which need primer before final coat painting or without topcoat. Fast-drying corrosion protective paint that smoothens rough surfaces. It can be covered by the majority of coatings (epoxy or not) and antifouling.

Film Thickness per Coat (PSPC requirement)

	Minimum	Maximum	Recommended
Dry Film Thickness (µm)	150	320	160
Wet Film Thickness (µm)	188	400	200
Coverage Rate (m ² /L)	5,33	2,5	5

Drying times differentiate in minimum or maximum values. Maintain recommended values during application. Coverage rate is Theoretical and does not include any losses.

Properties

Type ▶	Epoxy Polyamide	Touch Dry Time▶	30min @ 20°C
Components ▶	Base A & Hardener B	Dry Through Time ▶	4h @ 20°C
Color ▶	Red Brown / Cream / Grey	Full Curing ▶	7d @ 20°C
Thinner/ Cleaning Solvent ▶	NanoPhos Thinner A	Min. Recoat Interval ▶	6h @ 20°C
Mixing Ratio ▶	4:1, A:B per volume	Induction Time ▶	15min @ 20°C
VOC ▶	<450 g/L	Flash Point ▶	>23°C
Solids (%vol.) ▶	80±3	Water Resistance ▶	Excellent
Max. Pot Life ▶	6h @ 20°C	Abrasion Resistance ▶	Excellent

Min. Recoat interval for over coating with SeaQueen Antifouling is 24 h @ 20°C.

Surface Preparation

Immersed Bare Steel: Blast Cleaning Sa 2½; with profiles between 30-75 µm, or on compatible primer coat. Reference standard: ISO 8501-1:2007.

W.B.T.: According to IMO –MSC. 215 (82) requirements.

Application

Substrate temperature should be minimum 5°C and at least 3°C above air dew point. Good ventilation is required to ensure proper drying.

W.B.T. and immersed areas:

Airless Spray: Nozzle tip: 0, 48 mm to 0, 60 mm (0,019 in to 0,024 in)

Nozzle Pressure: 15, 0 MPa (159 bar; 2176 p.s.i.)

Paint System

▪ **For Water Ballast Tanks According to IMO- MSC. 215(82) requirements:**

1st Coat E.P.R. Epoxy Primer Red or Grey at DFT. of 160 microns

2nd Coat E.P.R Epoxy Primer Cream at DFT of 160 microns

Stipe coat is needed, on welding seams, scallops and sharp edges, after the application of each coat in order to be ensured the required DFT

▪ **For other immersion areas:**

Please contact NanoPhos Marine for more information.

Health and Safety

- I. Use normal precautions such as gloves, facemasks.
- II. Adequate ventilation must be maintained.
- III. Explosion proof lights & electrical equipment.
- IV. Non- Sparking shoes & tools for workers in area.
- V. This product contains flammable materials. Forbid all flames, smoking and welding in work area.
- VI. Avoid breathing of vapor, contact with skin or eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain medical attention.

Available Packaging

- 2.5L unit (total 2,5 liters in two metal canisters | 4:1, A: B per volume)
- 5L unit (total 5 liters in two metal canisters | 4:1, A: B per volume)
- 20L unit (total 20 liters in two metal canisters | 4:1, A:B per volume)

Notes & Precautions: Storage of closed containers, in controlled dry and enclosed space, away from sources of ignition and temperatures from 5°C to 35°C, for up to 18 months. The Technical Data should be read in conjunction with the Safety Data Sheets and Coating Technical Specification. This product is for professional use only. For more information please contact NanoPhos Marine: www.NanoPhos-Marine.com