

EZR NanoZinc Rich Epoxy Coating

Product Description

Bi-component, NanoZinc Rich, Ballast Tank Coating. The combination of high concentration level of the epoxy primer with the high surface area zinc nanoparticles is responsible for the highest anti-corrosion performance, even anti-corrosion performance demanding area. Ideal primer in combination with advanced coating systems for below or above the waterline protection.

Recommended Use

As a zinc rich tolerant coating. Chemical, power & water treatment plants, refineries, bridges, barges, ships, drilling rigs & paper mills.

Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm)	75	200	100
Wet Film Thickness (µm)	90	240	120
Coverage Rate (m ² /L)	11	4.5	8.3

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▶	60min @ 20°C
Components ▶	Base A & Hardener B	Dry Through Time ▶	6h @ 20°C
Color ▶	Grey	Full Curing ▶	10d @ 20°C
Thinner/ Cleaning Solvent ▶	NanoPhos Thinner A	Min. Recoat Interval ▶	12h @ 20°C
Mixing Ratio ▶	4:1, A:B per volume	Max. Recoat Interval ▶	3d @ 20°C
VOC ▶	460 g/L	Induction Time ▶	15min @ 20°C
Solids (%vol.) ▶	83±3	Flash Point ▶	>23°C
Max. Pot Life ▶	6h @ 20°C	Water Resistance ▶	Excellent
		Abrasion Resistance ▶	Excellent

Surface Preparation

Compatible Coats: All surfaces should be clean, dry and free from oil, grease and other foreign matters or contamination. Preparation according to ISO 8502-3:1992 Test for the assessment of surface cleanliness according to ISO 8501-3: 2006 Visual assessment of surface cleanliness.

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

Non-Immersed Bare Steel: Power Tooling, St 3, Sa 2 where practicable. Reference standard: ISO 8501-1:2007.

Application

Airless Spraying ▶ Minimum pump: 30:1. Nozzle: 19-23

Brush ▶ Recommended application method only for stripe coating or small areas

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

Paint System

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

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