

ECP Epoxy Construction Primer

Product Description

Two-component epoxy construction primer, pigmented with rust-inhibiting pigments. Type approved as a pre-fabrication primer. It is highly recommended as a thin coat for blast cleaned steel plate protection during the storage and building period. Easily applicable with both spraying and roller (manual) applications.

Recommended Use

It is designed for automatic spray application as well as manual application. As a thin coat for blast cleaned steel plate protection, other structural during the storage and building period.

Approvals And Certificates

Approved by Lloyd's Register, for use as a pre-fabrication primer. Certificates can be provided upon request.

Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm)	25	50	30
Wet Film Thickness (µm)	33	67	64
Coverage Rate (m ² /L)	30	15	25

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 ▶	Zinc Phosphate	Touch Dry Time▶	10min @ 20°C
Components ▶	Base A & Hardener B	Dry Through Time ▶	20min @ 20°C
Color ▶	Red Brown / Cream	Full Curing ▶	7d @ 20°C
Thinner/ Cleaning Solvent ▶	NanoPhos Thinner A	Min. Recoat Interval ▶	30min @ 20°C
Mixing Ratio ▶	4:1, A:B per volume	Induction Time ▶	15min @ 20°C
VOC ▶	450 g/L	Flash Point ▶	~ 23°C
Max. Pot Life ▶	6h @ 20°C	Water Resistance ▶	Good
Solids (%vol.) ▶	75±3	Abrasion Resistance ▶	Good

Surface Preparation

Blasting: Sa 2½; with profiles between 30-75 µm, Reference standard: ISO 8501-1:2007.

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.

Application

Conventional Spraying ▶	Paint pressure pot with power agitator, double air regulators, moisture trap, 1/2" ID fluid hose, 5/16" ID air hose, DeVilbiss 510 gun, "E" tip and needle, 74 or 78 air cap.
Airless Spraying ▶	Minimum pump: 30:1. Nozzle: 13-19
Brush ▶	Recommended application method only for stripe coating or small areas

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

Mix part A with part B and add 25% to 30% NPTA NanoPhos Thinner A for application as a thin coat.

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 20L 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