EPR Epoxy Primer

Product Description

EPR is a universal two-component high solids epoxy primer with anticorrosive long lasting action. It is suitable for application on plastic, fiberglass, or metal surfaces. It contains anticorrosive pigments. Conforms low fire spreadability requirements.

Recommended Use

As an excellent quick drying primer 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 painting. Fast-drying corrosion protective paint that smoothens rough surfaces. It can be covered by the majority of coatings (epoxy or not) and antifouling. It can also be used as a sealer / bonding layer over existing epoxy primers.

Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm)	80	180	100
Wet Film Thickness (µm)	100	225	125
Coverage Rate (m^2/L)	10	4.44	8

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

Approvals and Certificates

Approved by Bureau Veritas & DBI (Danish Institute of Fire and Security Technology), in accordance with the requirements and standards of IMO for low flame-spread (Reference to IMO 2010, FTP Code, Part 5). Certificates can be provided upon request.

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	<300 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 10h @ 20°C.

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, or on compatible primer coat. 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

The application of EPR can be done through conventional sprayers, airless sprayers and roller or brush. These are indicative methods of application and it is to the judgement of each person which method he will apply. Substrate temperature should be minimum 5°C and at least 3°C above air dew point. Good ventilation is required to ensure proper drying.

Maintenance

In the event of prolonged periods of inactivity and the development of pollution in the hulls, it is proposed to clean the hulls with a water pressure of about 600 bar. SeaQueen's antifouling capability will not be affected by this cleaning.

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

- 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**