EPR Nova

Abrasion Resistant Epoxy Primer

Product Description

EPR Nova is an innovative two-component epoxy polyamide primer, enclosing built-in silicon elastomer nanoparticles, i.e. a soft elastomer core. It also contains anticorrosive pigments. In this way, long-lasting anticorrosive action along with superior impact and abrasion resistance is achieved.

Recommended Use

As an excellent epoxy polyamide primer for corrosion, impact and abrasion protection. Ideal for surfaces exposed to marine environment above and below the waterline. Offers excellent protection on the hull of Ice Class vessels. 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.

Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm)	80	180	100
Wet Film Thickness (µm)	107	240	135
Coverage Rate (m^2/L)	9.4	4.16	7.5

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 ▸	Impact/ Abrasion Absorbing Epoxy Polyamide	**Touch Dry Time▸**	30min @ 20℃
Components ▸	Base A & Hardener B	**Dry Through Time ▸**	4h @ 20℃
Color ▸	Red Brown / Cream / Grey	**Full Curing ▸**	7d @ 20℃
Thinner/ Cleaning Solvent ▸	NanoPhos Thinner A	**Min. Recoat Interval ▸**	6h @ 20℃
Mixing Ratio ▸	4:1, A:B per volume	**Induction Time ▸**	15min @ 20℃
VOC ▸	<450 g/L	**Flash Point ▸**	>23℃
Solids (%vol.) ▸	75±3	**Water Resistance ▸**	Excellent
Max. Pot Life ▸	6h @ 20℃	**Abrasion Resistance ▸**	Excellent

Min. Recoat interval for over coating with SeaQueen Antifouling is 14 h @ 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 NOVA** applied with airless sprayers. Stipe Coats only with roller or brush. 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

- 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**

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