

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 and Cargo hold coatings. It can be applied to all surfaces, which need a 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.

Technical Specifications

Type	▶	Impact/ Abrasion Absorbing Epoxy Polyamide
Color	▶	Red / Grey
Components	▶	Red Brown / Cream / Grey
Thinner/Cleaning solvent	▶	NanoPhos Thinner A
Mixing Ratio	▶	4:1, A:B per volume
VOC (Volatile Organic Compounds)	▶	< 450 g/L
Solids (% per volume)	▶	84±3
Touch Dry Time	▶	3h @20°C (*)
Dry Through Time	▶	4h @20°C (*)
Minimum Overcoating	▶	6h @20°C (*)
Full Curing Time	▶	7d @20°C (*)
Water Resistance	▶	Excellent
Abrasion Resistance	▶	Excellent
Maximum Pot Life	▶	6h @20°C (*)

(*) Dry-to-recoat time is prolonged under low temperature and high humidity.

Min. Recoat interval for over coating with SeaQueen Antifouling is 14h @ 20°C.ty.

NanoPhos S.A.

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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 Instructions

The ambient temperature of the area should not fall below 10°C throughout the application and the curing time, as this could have a negative effect on the appearance and color of the system. The substrate temperature should be over 5°C.

The application of **EPR NOVA** applied with airless sprayers. Stipe Coats only with roller or brush. The 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.

Coverage

Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm)	80	180	100
Wet Film Thickness (µm)	107	240	135
Spreading 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.

Additional Information

Paint System

Please contact NanoPhos Marine for more information.

Storage

Store in the original closed packaging, in a well-ventilated area, at a temperature of 5°C to 35°C, away from sunlight and frost.

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Health and Safety

Read the product label before use. The Safety Data Sheet is available on www.NanoPhos.com or on request by contacting NanoPhos by email: info@NanoPhos.com or by phone: 2292069312.

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: Adverse weather conditions during or after the product application may affect the properties of the coating. Storage of closed containers, in controlled dry and enclosed space, away from sources of ignition and temperatures from 5oC to 35oC, for up to 18 months. The Technical Data should be read in conjunction with the Safety Data Sheets. The current edition of this technical data sheet

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automatically cancels any previous one concerning the same product. For more information, please contact NanoPhos: info@NanoPhos.com

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