

## EEN Epoxy Enamel

### 2-component Solvent based Epoxy Coating

#### Product Description

EEN Epoxy Enamel is a 2-component solvent based epoxy polyamide finish. It is characterized by its high gloss, while it is also extremely resistant to water, alkalis, dilute acids and salts. Once completely dry, it creates a durable, hard coating with high impact and abrasion resistance.

#### Recommended Use

As a finish coat for topside, Decks, Cargo Holds, Superstructures. A quick drying, hard, chemical resistant coating. Can be applied over intact existing conventional systems and over suitable primers. Good adhesion properties in wet and dry exposure conditions.

#### Technical Specifications

Type	▶	Epoxy Polyamide
Color	▶	Color Card
Components	▶	Base A & Hardener B
Density (EN ISO 2811-1)	▶	1,1±0,5
Thinner/Solvent	▶	NanoPhos Thinner A
Mixing ratio	▶	4:1, A:B per volume
VOC (Volatile Organic Compounds)	▶	<450 gr/L <sup>1</sup>
Solids (% vol)	▶	65±3
Touch Dry Time	▶	1h @ 20°C
Dry Through Time	▶	8h @ 20°C
Min. Recoat Interval	▶	12h @ 20°C
Full Curing Time	▶	7d @20°C (*)
Induction Time	▶	15min @ 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

#### 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.




#### NanoPhos S.A.

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#### Application Instructions

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 Spray 	Minimum pump: 30:1. Nozzle: 15-21
Brush 	Recommended application method only for stripe coating or small areas

#### Mixing:

Mix the entire contents of the base with the hardener. If you're using a separate mixing bucket, mix carefully ensuring that all contents of the base and hardener containers are poured. Mix using an electric mixer on low speed for about two minutes or until the two ingredients are completely combined. Application with a vacuum sprayer is recommended.

This product is intended for professional use only. Applicators and operators must be trained, experienced and have the ability and equipment to mix / mix and apply coatings correctly and in accordance with NanoPhos technical documentation. Applicators and operators must use appropriate personal protective equipment when using this product. This guideline is given based on current knowledge of the product. To be used in well-ventilated conditions.

#### Coverage

##### FILM THICKNESS PER COAT

	Minimum	Maximum	Recommended
Dry Film Thickness (µm):	50	100	80
Wet Film Thickness (µm):	77	154	123
Spreading Rate (m <sup>2</sup> /L):	13	6.5	8

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](http://www.NanoPhos.com) or on request by contacting NanoPhos by email: [info@NanoPhos.com](mailto:info@NanoPhos.com) or by phone: 2292069312.

#### Available Packaging

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

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- **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 automatically cancels any previous one concerning the same product. For more information, please contact NanoPhos: [info@NanoPhos.com](mailto:info@NanoPhos.com)
  - The technical data sheets and the recommendations for using NanoPhos products are based on our scientific knowledge, laboratory studies, and long-term experience. Therefore, the information provided must be considered indicative and subject to constant review in relation to the circumstances and each practical application. Furthermore, the product's suitability should be examined in each case for each specific use. The end-user bears complete & exclusive responsibility for any side effects that may arise from the incorrect use of the product.

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