

# EPOFIXO

## Anti-Osmosis coating

### NATURE AND USE

Two-component solvent free, high build, fast drying epoxy product studied to create an insulating and sealing barrier, perfectly waterproofing whose action avoid the water transmission, contrasting the osmosis forming on fiberglass boats.

### TECHNICAL DATA



Type of binder:	Epoxy
Specific gravity A+B	Kg/l 1,05 ± 0,05 @ +20°C
Solids by Weight:	% 95 ± 3 % A+B
Solids by Volume:	% 93 ± 3 % A+B
Mixing Ratio by Weight:	65 parts of Base / 35 parts of Hardener
Mixing Ratio by Volume:	65 parts of Base / 35 parts of Hardener
**Pot life @ +20°C:	~ 20 - 30 minutes
Colour/appearance of the applied film:	Transparent opalescent

### SUBSTRATE PREPARATION

#### Gel Coat:

Dry sanding with paper grain P120-P180. The substrates should be completely dry (R.H. ≤ 0,8%), free from grease, oil and any other contaminant, perfectly roughened and thoroughly dust free. Apply 3-4 coats of "Epofixo" for a total dry film thickness of 180 – 240 µm (DFT)

#### Fiberglass:

Dry sanding with paper grain P120-P180. The substrates should be completely dry (R.H. ≤ 0,8%), free from grease, oil and any other contaminant, perfectly roughened and thoroughly dust free. Apply 3-4 coats of "Epofixo" for a total dry film thickness of 180 – 240 µm (DFT)

Should the fiberglass layer show serious and important osmosis phenomena, sandblast up to a complete removal of the gel coat.

#### New Wood or previously coated:

Remove completely the old paints. Sand with paper grain P120-P180 and remove dust, then apply 3-4 coats of "Epofixo" on the substrate. Completely dry (R.H. ≤ 15%), and free from any kind of contaminant, roughened and dust free. Total dry film thickness 90 – 100 µm.

### PRODUCT PREPARATION

Stir separately the Base and the Hardener in its original cans.  
Mix Base and Hardener in the right proportions stirring the mix obtained for 5 minutes to get the complete homogenization. Let it rest for another 5 minutes before application.

\*\* The "POT LIFE" time of two components products (time within which it is possible to apply the paint mix of Base and Hardener), is exponentially dropped by the increase of product temperature.

Note: The use of a mix of paint (Base + Hardener) over the POT LIFE time is irreparably compromising all the properties of the coating film.\*\*

### APPLICATION DETAILS

Application method: Brush, roller

MTDS 03018/ Page 1 of 3

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<b>Thinning:</b>	ready to use. If necessary, thin max. 5% with Epothinner Different thinning % can be necessary according to the absorption of the substrate and the thickness required.
<b>Thinner:</b>	Epothinner
<b>Cleaning:</b>	Epothinner
<b>Hardening @ +25°C:</b>	Touch dry 8 – 12 hours Sandpapering possible after 24 hours at least Full-cured in 10 days
<b>Recoat interval @ +20°C:</b>	minimum 12 hours / max 24 hours
<b>Application Ambient Temperature:</b>	Between +5°C and +35°C
<b>Suggested Temperature of the product:</b>	+20 ÷ +30°C
<b>Substrate Temperature:</b>	+5 / +40°C always at least +3/5°C above dew point
<b>Relative Humidity:</b>	≤ 85%
<b>Suggested thickness:</b>	180 - 240µm dry (DFT) in 4 coats
<b>Theoretical spreading rate:</b>	sqm/l 18 per coat at a dry film thickness of 50 µm (DFT)

### HANDLING STORAGE AND SAFETY PRECAUTIONS

**Warning:** All handling and/or use activities of the material and its components must strictly refer to the given indications in the Safety Data Sheet (Base and Hardener). The following advices are stated by common sense and in good faith, they are uncompleted and do not substitute the content of each specific safety data sheet of the product.

**Handling:** The material must be used only by professional and qualified applicators suitably trained. All the operations involving the use of the product, must be carried on in compliance with all the relevant National Health, Safety & Environmental standards and regulations.

**Precautions:** When the product is used in enclosed areas (rooms, containers, vessels, etc.) it is imperative to use adequate means providing the necessary air circulation, to be granted during the whole application and coating polymerization time, also to avoid conditions open to potential explosion danger.

All electrical installations must always be grounded. Where explosion hazards exist, the workmen should be required to use only non-ferrous tools and wear conductive non-sparking shoes and clothing. Explosion and flame-proof equipment too are required.

**Storage and transport:** Keep far from flames, sparks or heat sources. Do not leave exposed under direct solar action. Store under shelter in original unopened packaging, in cool, dry and ventilated areas, at temperatures between +5°C and +35°C.

MTDS 03018/ Page 2 of 3

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**Shelf life:**

**Base:** 12 months in the suggested storage conditions (original unopened packaging)

**Hardener:** 12 months in the suggested storage conditions (original unopened packaging)

N.B.: Product for professional use only  
and exclusively for the uses not regulated under CE Directive 2004/42/CE.

Refer to Material Safety Data Sheet



Access catalogues, data sheets and company presentations

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MTDS 03018/ Page 3 of 3

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