

EPOFIXO IMPREGNANTE

Two component Epoxy impregnating agent

NATURE AND USE

Two-component epoxy coating at low viscosity, standing to dampness, studied as impregnating agent for wood and for the anti-osmosis treatment of boats.

TECHNICAL DATA



Type of binder:	Epoxy
Specific gravity A+B:	Kg/l 0,95 ± 0,05 @ +20°C
Solids by Weight:	% 40 ± 3 %
Solids by Volume:	% 35 ± 3 %
Mixing ratio by weight:	52 parts of Base / 48 parts of Hardener
Mixing ratio by Volume:	1 part of Base / 1 part of Hardener
**Pot life @ +20°C:	≥ 4 hours
Colour/appearance of the applied film:	Transparent

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 2-3 coats sandpapering between each coat with abrasive paper, after 24 hours minimum at +20°C.

New wood or brought back to new:

The substrate must be seasoned, dry (R.H. ≤ 15%), cleaned, sandpapered (P 120) and dust free.

Apply 2-3 coats sandpapering between each coat with abrasive paper, after 24 hours minimum at +20°C.

Wood previously coated:

Remove completely the old paints and wash with soft water. When the substrate is completely dry (R.H. ≤ 15%), sandpaper with abrasive paper (P 240) and remove accurately all dust.

Apply 2-3 coats of product sandpapering between each coat (sandpapering after 24 hours min. at +25°C)

PRODUCT PREPARATION

Stir separately the Base and the Hardener in its original supply 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 5 minutes more 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 or Conventional spray
Thinning:	% 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.

MTDS 03018/ Page 1 of 2

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Two component Epoxy impregnating agent

Thinner:	Epothinner
Cleaning:	Epothinner
Hardening @ +25°C:	Dust dry 4 – 6 hours Full-cured in 10 days Sandpapering after 24 hours min.
Recoat interval @ +20°C:	minimum 4 hours / max 8 hours
Application Ambient Temperature:	Between +5°C and +35°C
Suggested Temperature of the product:	+20 ÷ +30°C
Substrate Temperature:	+5 / +40°C always at least +3/5°C above dew point
Relative Humidity:	≤ 85%
Suggested thickness:	75 - 100µm dry (DFT) in 3 coats
Theoretical spreading rate:	sqm/l 12 - 14 per coat at a dry film thickness of 25 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.

Shelf life: 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

MTDS 03018/ Page 2 of 2

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