

EPOFIXO EVO

Multipurpose epoxy system

NATURE AND USE

Epoxy system formed by a base resin and by its specific hardener, which can be used as it is, or combined with different specific additives in order to obtain products for different purposes such as impregnation, gluing, osmosis prevention and repair of parts affected by osmosis, filling of defects, etcetera..

TECHNICAL DATA



| | |
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| 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: | 100 parts of Base / 50 parts of Hardener |
| Mixing ratio by Volume: | 100 parts of Base / 50 parts of Hardener |
| **Pot life @ +20°C: | ~ 20 - 30 minutes |
| Colour/appearance of the applied film: | Colourless 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.

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.

New Wood or previously coated:

Remove completely the old paints, if any, sand with paper grain P120-P180. Remove dust in order to obtain a substrate free from any kind of contaminant, roughened, dust free and completely dry (R.H. ≤ 15%),

SYSTEM PREPARATION AND USE



Use Ratio %: Quantity by volume according to the mix Base + Hardener:
from 100 to 300 parts depending on the final consistency needed.

Microfibers:

Microfibers made of a special cellulose, to be used in addition to the mix of Base and Hardener to prepare glues and fillers providing excellent mechanical properties.



Use Ratio %: Quantity by volume according to the mix Base + Hardener:
from 100 to 200 parts depending on the final consistency needed.

Thickener:

Silica based additive, to be used in addition to the mix Base + Hardener, allowing to adjust the rheology of the product (thixo - anti sagging function).



Use Ratio %: Quantity by volume according to the mix Base + Hardener:
from 100 to 200 parts depending on the final consistency needed.

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The content of the present technical data sheet is the most complete currently available, based on practical experience and given in good faith. Should any change be necessary, the present data sheet will be updated without prior notice. The applying conditions of use differ according to environmental conditions and subjective application factors outside the control of the Company. The user shall determine the suitability of the product for the intended use under his own risk and responsibility. No warranty is impressed or implied. The Company refuses all liability not directly related with defects of the product or consequent to deviations from written instructions.



INDUSTRIE BRUNO STOPPANI R.P.S. S.r.l.

Sede Operativa: Via Industriale 90-119 25020 Capriano del Colle (Bs) – Italy - Phone +39 030 9745116 – Fax +39 030 9745383

sales@industri brunostoppa nipa nts.com - www.industri brunostoppa nipa nts.com

Company with quality management system UNI EN ISO 9001:2015 certified

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Phenolic microspheres:

Red-brown phenolic microspheres to be used in addition to the mix Base + Hardener, necessary to prepare mahogany coloured glues and fillers.



Use Ratio %: Quantity by volume according to the mix Base + Hardener:
from 100 to 300 parts depending on the final consistency needed.

Note: Do not apply the fillers obtained below the waterline.

Accelerator:

Additive formulated to accelerate the curing time of the mix Base + Hardener.



Use Ratio %: Quantity by volume according to the mix Base + Hardener:
from 2 to 5 parts depending on the final reactivity wished.

(The addition of the accelerator reduces the pot-life)

** 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

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| Application method: | Brush, roller, spatula |
| Thinning: | Ready to use, 5% Max. |
| Thinner: | Epothinner |
| Cleaning: | Epothinner |
| Hardening @ +25°C: | Touch dry 6 – 12 hours Sandpapering possible after 24 hours at least Full-cured in 10 days |
| Recoat interval @ +20°C: | minimum 12 hours / max 24 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: | not applicable as depending on the type of use |
| Theoretical spreading rate: | sqm/l not applicable as depending on the type of use |

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.

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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:

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