

INTERCOAT EP

Two-component High Build Intermediate Epoxy product

NATURE AND USE

Intercoat EP is an epoxy polyamide product, particularly suggested as primer or intermediate coat in anticorrosion coating systems and for the maintenance of plants and structures operating in aggressive environments. Special for use as a tie-coat on organic and inorganic zinc rich products and in the nautical market as waterproofing product on epoxy fillers. Thanks to its good attitude to easy sandpapering and to the high thickness per coat, cost and time of work are considerably reduced. Apply above the waterline.

TECHNICAL DATA



Type of binder:	Epoxy
Specific gravity A+B	Kg/l 1,30 ± 0,05 @ +20°C
Solids by Weight:	% 70 ± 2 % A+B
Solids by Volume:	% 55 ± 2 % A+B
Mixing Ratio by Weight:	83 parts of Base / 17 parts of Hardener
Mixing Ratio by Volume:	77 parts of Base / 23 parts of Hardener
**Pot life @ +20°C:	≥ 4 hours
Colour/appearance of the applied film:	White or Satin grey

SUBSTRATE PREPARATION

Any substrate:

Degrease the substrate thoroughly and remove any contaminant. Roughen the substrate and remove dust. Make sure the substrates to recoat are always free from humidity.

Steel:

We suggest a light sanding to minimum grade SA 2,5 according to ISO 8501/1 with roughness profile 40 – 50 µm and suitable primer application.

Different substrates:

Pre-treat the substrate, apply a suitable primer and sand with abrasive paper if necessary (grain P180 – P280 according to the surface to coat).

PRODUCT PREPARATION

Homogenize separately the Base and the Hardener in its original supply cans. Mix Base and Hardener in the right Ratio stirring the mix for 5 minutes to reach the complete homogenization. Pour the mix in the tank of the spray equipment, 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:	Standard spray airless with minimum compression ratio 45:1 Conventional spray Roller, brush
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MTDS 03018/ Page 1 of 3

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

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Thinner:	Epothinner
Thinning:	Spray application 15 - 25% Brush or roller application 10-15% Different thinning % can be necessary according to the absorption of the substrate and the thickness required.
Cleaning:	Epothinner
Hardening @ +25°C:	Touch dry 6-8 hours Through dry 24 - 48 hours Sandpapering after minimum 24 - 36 hours Full-cured in 10 days
Overcoating interval @ +20°C:	24 - 48 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%
Theoretical spreading rate:	5,5 per coat at a dry film thickness of 100 µm (DFT)
Suggested thickness:	m ² /l minimum 40 µm maximum 120 µm dry film thickness (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

MTDS 03018/ Page 3 of 3

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