

NATURE AND USE

Two-component tar free epoxy primer /intermediate coat formulated with albino bitumen. Excellent adhesion on metal and concrete substrates even completely immersed in seawater. The product is resistant to abrasion, to mechanic choc and to the attack of different kind of chemical agents such as acids, alkalis (lightly aggressive aqueous solutions), solvents, oils, sea water and sewage waters. Recommended for use in the Yachting market as primer or intermediate coat for substrates below the waterline.

TECHNICAL DATA



Type of binder:	Epoxy-polyamide		
Specific gravity A+B:	Kg/l 1,40 ± 0,05 @ +20°C		
Solids by Weight:	%	81 ± 3 %	A+B
Solids by Volume:	%	70 ± 2 %	A+B
Mixing Ratio by Weight:	72,5 parts of Base / 27,5 parts of Hardener		
Mixing Ratio by Volume:	2 parts of Base / 1 part of Hardener		
**Pot life @ +20°C:	≥ 4 hours		
Max. Exercise temperature:	+50/+60 °C (in air, dry conditions)		
Colour	Black		

SUBSTRATE PREPARATION

Any substrate:

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

Steel:

Sandblast to grade SA 2,5 minimum according to ISO 8501/1 with roughness profile 40 – 70 µm.

Concrete:

Cleaned (free from oils, detaching greases and any kind of superficial contaminant), dry (internal humidity below 4%), seasoned (minimum 28 days for Portland concrete), perfectly roughened, free from dust, efflorescence and flaking parts. Before applying **Waterstop** check that any action generated from water action is totally absent inside the concrete including capillarity and through stratum.

Different substrates:

Prepare the substrate and apply a suitable primer, Sand with paper grain P240-P280 if necessary.

PRODUCT PREPARATION

Homogenize separately the Base and the Hardener in its supply original cans. Mix Base and Hardener in the right Proportions stirring the mix prepared for 5 minutes to reach the complete homogenization. Pour the mix in the tank of the spray equipment, let it rest for another 5 minutes and 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.**

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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.



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

APPLICATION DETAILS

Application:	Standard Airless spray with minimum compression ratio 45:1, Conventional spray Roller, Brush
Thinning:	Spray or airless application 5 - 20% brush, roller application 0 - 10% different thinning % can be necessary according to the absorption of the substrate and the thickness required.
Thinner:	Epothinner
Cleaning:	Epothinner
Hardening @ +25°C:	Touch dry 6 - 8 hours Sandpapering after 24/36 hours Full-cured in 10 days
Overcoating interval @ +20°C:	minimum 16 – max 48 hours after 48 hours we suggest a light sandpapering
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:	minimum 50 µm - 125 µm dry film thickness For service in immersion we suggest a minimum dry film thickness (DFT) of 230 – 250 µm applicable in 2 coats.
Theoretical spreading rate:	sqm /l 7 at 100 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.

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