

INTERSTOP WB

Two component water based Epoxy Intermediate

NATURE AND USE

Interstop WB is a water based two component Epoxy product usable as Primer or Intermediate coat in initial coating systems and also for maintenance of installations and structures operating in particularly aggressive atmospheres as marine-industrial type.

The product can be applied at very high thickness (up to 200 µm DFT in one coat), provides superior adhesion and can be applied on many different substrates after suitable preparation and treated with primer if necessary (concrete, steel, cast iron, etc.)

The product combines good corrosion protection with a good chemical resistance, typical of epoxy polymers.

The product is part of coating system C5-I durability H according to ISO 12944 ref. Paint system A5I-02

TECHNICAL DATA



Specific Gravity A+B	Kg/l	1,40 ± 0,05 @ +20°C
Solids by Weight:	%	60 ± 2 % A+B
Solids by Volume:	%	46 ± 2 % A+B
Mixing Ratio by Weight:	86 parts of Base / 14 parts of Hardener	
**Pot life @ +20°C:	≥ 3 Hours	
Colour (ready to use):	Light Ivory	

SUBSTRATE PREPARATION

All Substrates: Cleaned, degreased, contaminant free and perfectly dry.
Treated if necessary with a suitable primer.

Concrete: Cleaned, dry (Humidity lower than 4%), slightly roughened and free from loose particles, oils, grease
And free from efflorescence.

Steel / Cast Iron: Clean, substrate must be Blast cleaned down to SA 2,5 according to ISO 8501/1 with medium roughness profile RZ DIN ~ 40-50 µm (cut-off 2.5).

PRODUCT PREPARATION

Mix the two components separately. Add component B to component A and stir until the complete homogenization is reached (Thinning only if necessary).
Await 5-10 minutes before starting the 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.** with compression ratio 45:1 minimum,

APPLICATION DETAILS

Application method:	Standard Airless Spray with compression ratio 30:1 minimum (nozzle pressure ~ 160 atm.) nozzle Ø 13 -21 Thou with different fan width depending on the geometry of the item to be coated Conventional Spray Brush, Roller
Thinning:	Should thinning in particular environmental conditions be required, only water can be added, up to a Max. of 10 %
Cleaning:	Water

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Hardening @ +25°C	Touch dry 3-4 hours Through dry 18-24 hours Fully cured 7-10 days @ +25°C NB Hardening and filming of the paint depends on R.H. and ambient Temperature.
Overcoating interval @ +20°C:	Min 12 hours / Max. 36 hours
Application Ambient Temperature:	Min. +5°C / Max +40°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:	100-150 µm dry (DFT); 225 –325 µm wet (WFT) Min. 80 – Max. 200 µm. dry (DFT) Min. 175 – Max. 425 µm wet (WFT)
Theoretical spreading rate:	sqm/Kg 2,65 at the suggested thickness

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.

Attention: This is a water based product and consequently is affected by frost.

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

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