

Two component water based epoxy primer

NATURE AND USE

Keystop WB is a water based Epoxy coating of superior adhesion, suitable to coat many different substrates: concrete, steel, cast iron and others, covering a wide range of intended uses such as protection of containment walls, floors possibly subjected to accidental spills of chemical agents, or used as anchor primer, for initial coating systems of steel works (piling, carpentry, tanks, etc.) in operation under environmental conditions of marine-industrial type, particularly aggressive. 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	1,35 ± 0,05 @ +20°C
Solids by Weight:	%	52 ± 2 % A+B
Solids by Volume:	%	37 ± 2 % A+B
Mixing Ratio by Weight:	80 parts of Base / 20 parts of Hardener	
**Pot life @ +20°C:	≥ 3 Hours	
Colour (ready to use):	Light Grey	

SUBSTRATE PREPARATION

All Substrates: Clean, degreased, contaminant free and perfectly dried.

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. 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 about 160 atm.) nozzle Ø 13-23 Thou with different fan width depending on the diameter of pipes 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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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

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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:

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:

80-90 µm dry (DFT); 225-250 µm wet (WFT)
Min. 60 – Max. 100 µm. dry (DFT)
Min. 175 – Max. 275 µm wet (WFT)

Theoretical spreading rate:

sqm/kg 3,25 at the suggested thickness

More info by writing to sales@industri brunostoppa nipa nts.com or by calling +39 030 9745116

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:

Base 12 months in the suggested storage conditions (original unopened packaging)
Hardener 12 months in the suggested storage conditions (original unopened packaging)

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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