

# STOPFLOOR PRIMER WB

Two component epoxy primer water-based

## NATURA E AND USE

**STOPFLOOR PRIMER WB** is a two-component water-based epoxy product with excellent adhesion, suitable to be applied on a large variety of appropriately prepared substrates: concrete, steel, cast iron, etc. Designed as a base coat for floors where particular mechanical and abrasion resistance are required or even where accidental spills of chemical agents may occur, Stopfloor Primer WB can also be used in a wide range of uses which also includes, for example, wall cladding and containment or the cladding of steel carpentry. This paint can be used as anchoring primer in initial or maintenance coating systems in exteriors of steel products (piling, carpentry, tanks, etc.) exposed to aggressive environmental conditions. The product combines good corrosion protection with good resistance to chemical agents. typical of epoxy polymers.

**Note :** Like all materials of the same nature and type also Stopfloor Primer WB polymerized film, when exposed in air in external ambient, due to the action of atmospheric agents (sun, rain etcetera) may undergo colour changing with chalking and tarnishing. These phenomena are only aesthetic ones and do not indicate a loss of the corrosion protection property from the coating as the characteristic of the film is not altered.

## TECHNICAL DATA



<b>Specific Weight A+B</b>	Kg/l	1,35 ± 0,05 @ +20°C
<b>Solids by Weight:</b>	%	55 ± 3 % A+B
<b>Solids by Volume:</b>	%	42 ± 2 % A+B
<b>Mixing ratio by weight:</b>		100 parts of Base / 50 parts of Hardener
<b>**Pot life @ +20°C:</b>		2 ± 0,5 hours
<b>Colour:</b> (Paint ready to use)		Grey Other colours only on request

## SUBSTRATE PREPARATION

### All substrates:

Cleaned, degreased, contaminant free and perfectly dried.

### Cement:

Cleaned, degreased (less than 4% pf humidity), slightly roughened and free from friable particles, oil, grease and efflorescence.

### Steel/Cast iron:

Cleaned, surfaces must be blast cleaned down to minimum SA 2 ½ according to ISO 8501-1, medium roughness profile of about 40 - 50 µm Rz DIN (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.\*\*



**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 brunostoppaipaints.com - www.industri brunostoppaipaints.com**

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### APPLICATION DETAILS

<b>Application:</b>	Standard Airless spray with compression ratio 30:1 minimum (nozzle pressure ~ 160 atm.), nozzle Ø 13 -23 Thou with different fan width depending on the geometry of the item to be coated. Conventional Spray Brush, Roller
<b>Thinning:</b>	Should thinning in particular environmental conditions be required, only water can be added, up to a Max. of 10-15 %
<b>Cleaning:</b>	Water
<b>Hardening @ +25°C:</b>	Touch dry 4-5 hours Through dry 24-36 hours Fully cured 7-10 days @ +25°C
	NB Hardening and filming of the paint depends on R.H. and ambient Temperature.
<b>Overcoating Interval @ +20°C:</b>	Min. 24 hours / Max. 72 hours
<b>Application Ambient Temperature:</b>	Min. +8°C / Max +40°C
<b>Suggested Temperature of the product:</b>	+20 ÷ +30°C
<b>Substrate Temperature:</b>	+5 / +40°C always at least +3/5°C above dew point
<b>Relative Humidity:</b>	≤ 85%
<b>Suggested thickness:</b>	60 - 75 µm dry (DFT); 150 –175 µm wet (WFT) Min. 40 – Max. 100 µm. dry (DFT) Min. 100 – Max. 250 µm wet (WFT)
<b>Theoretical spreading rate:</b>	sqm/l 6,3 at the suggested thickness, equal to 4,7 sqm/kg

More info by writing to [sales@industri brunostoppa nipa nts.com](mailto: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.

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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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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)

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**

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