

NATURE AND USE

Stopcoat WB is a two-component water based epoxy product with excellent adhesion properties and suitable for application on a wide range of substrates : concrete, steel, cast iron, etc.

The product combines good corrosion protection with good resistance to chemical agents averagely aggressive, (Alkali and weak acids, sea water, oils, naphtha, kerosene, etc.) and therefore is particularly suitable for the internal protection of tubes transporting waste waters, black waters, etc.

The cured film improves pigging operations, hydrostatic tests on the pipe and allows considerable increase of the flow of the transported medium , it protect for a long time from the chemical and physical deterioration the internal surface of the pipe itself.

Stopcoat WB can also be used to internally coat steel or concrete tanks, containment walls, floors where can occasionally occur spillages of chemical agent or can be used also as anchor primer in external coating systems of works (piles, carpentry etc.) exposed also in aggressive environments.

NB: Like all materials of the same nature and type also STOPCOAT 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



Specific Gravity A+B:	kg/l	1,35 ± 0,10 @ +20°C
Solids by Weight:	%	60 ± 2 % A+B
Solids by Volume:	%	47 ± 2 % A+B
Mixing Ratio by Weight:		100 parts of Base / 12,5 parts of Hardener
Mixing ratio by Volume:		6 parts of Base / 1 part of Hardener
**Pot life @ +20°C:		4 ± 0,5 hours
Range of exercise temperatures:		-20°C / +110° C (In continuous in air, dry conditions)
Colour:		Oxide red (Other colours on special request)

SUBSTRATE PREPARATION

All substrates: Cleaned, degreased, contaminant free and perfectly dry.

Concrete: Clean (free from oils, detaching greases and any other surface contaminant), dry (internal Humidity lower than 4%), seasoned (28 days at least if normal Portland), perfectly roughened and dedusted, free from flaking parts and efflorescence.

Before the application of STOPCOAT WB it is necessary to verify inside the cement the total absence of any action generated by the presence of water, by capillarity and water bed.

Steel/ Cast Iron: Clean, Surfaces should be abrasive blasted at least to Swedish Standard of SA 2 ½ according to ISO 8501-1 with a medium roughness 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. 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.**

APPLICATION DETAILS

Application Method:	Standard Airless Spray minimum compression ratio 30:1 nozzle pressure about 160 atm. nozzle Ø 13-23 Thou with different fan width depending on the diameter of pipes to coat Conventional Airless Spray Brush, Roller
Thinning:	Should thinning in particular conditions be required, only water can be added up to 5% Max.
Cleaning:	Water
Hardening @ +25°C:	Touch dry 3-4 hours Through dry 18-24 hours Complete Polymerization 7-10 days @ +25°C (Bucholz Hardness ≥ 94)
Overcoating interval @ +20°C:	Minimum after 6-8 hours/Maximum 24 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:	70-80 µm dry (DFT) (150-170 µm wet(WFT)) Minimum 60 - Maximum 120 µm dry (DFT) (Min. 127-Max. 250 µm wet (WFT))
Theoretical spreading rate:	sqm/lt 6,5 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.

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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

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