

EPOCOAT PRIMER WB

Two component water based epoxy primer

NATURE AND USE

Epocoat Primer WB is a Two component water based epoxy product providing excellent adhesion and suitable to coat many types of substrates such as Concrete, steel, cast iron etc. and it is suitable for a wide range of uses i.e. to coat containing walls, floors to be protected from accidental spillages of chemical agents and it can also be used as tie coat in external initial coating systems for steel works (piles, carpentry, tanks, etc.) exposed in aggressive environmental conditions.

The product provides good corrosion protection as well as good resistance to chemical agents, typical quality of epoxy polymers. **Ranking ACET ISO 12944**

Note: Like other materials of the same nature and type also the product Epocoat 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 are not indicating a loss of protective anticorrosion functions of the coating, characteristics of the film which is not altered.

TECHNICAL DATA



Specific Gravity A+B

Kg/l 1,35 ± 0,05 @ +20°C

Solids by Weight:

% 60 ± 2 % A+B

Solids by Volume:

% 47 ± 2 % A+B

Mixing Ratio by Weight:

100 parts of Base / 50 parts of Hardener

**Pot life @ +20°C:

2 ± 0,5 hours

Colour:

Grey – Oxide Red (other colours only on request)

SUBSTRATE PREPARATION

All substrates: Cleaned, degreased, contaminants free and perfectly dried.

Concrete: clean and dry (less than 4% of humidity), lightly roughened and free from detaching parts, Oils, grease and efflorescence

Steel/Cast Iron: Minimum required Blast clean to SA 2,5 according to ISO 8501/01. Suggested roughness profile between 40 µm and 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 (if necessary thin).

Keep waiting 5-10 minutes before starting the application of the product.

** 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 with compression ratio 30:1 minimum (nozzle pressure about 160 atm.)
nozzle Ø 13-23 Thou with different fan width depending on the geometry of the item to be coated.

MTDS 07019/ Page 1 of 3

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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 brunostoppa paints.com - www.industri brunostoppa paints.com

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	Conventional Spray Brush, Roller
Thinning:	Should thinning in particular conditions be required, only Demineralised water can be added, up to a Max. of 10 -15 %
Cleaning:	Water
Hardening @ +25°C:	Touch dry 3-4 hours Through dry 18-24 hours Fully cured 7-10 days at +25°C
Overcoating interval @ +20°C:	Min. 12 hours / Max. 24 hours
Application temperature:	Min. +8°C / Max. +40°C
Suggested product temperature:	+20 / +30°C
Temperature of the substrate:	from +5 to +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) Min. 60 – Max. 100 µm. dry (DFT) Min. 127 – Max. 225 µm wet (WFT)
Theoretical spreading rate:	sqm/l 6,5 at the suggested thickness

More info by writing to sales@industriestoppanipaints.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.

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

MTDS 07019/ Page 2 of 3

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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

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Access catalogues, data sheets and company presentations

MTDS 07019/ Page 3 of 3

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