

STOPCOAT 305

Two-component epoxy polyamide primer

NATURE AND USE

Epoxy-polyamide product, which can be overcoated within 3 months from its application. Designed as primer with good adhesion on light alloys and hot galvanized sheet, it is particularly suggested for the initial new anticorrosion coating systems in aggressive environment. Generally in white colour, Stopcoat 305 can also be employed as intermediate coat or as Tie coat in the coating systems.

GENERAL PROPERTIES

Corrosion protection:	The application of just one coat is providing an excellent protection to the steel substrate.
Abrasion:	Good resistances to abrasion and mechanical damages
Adhesion:	Excellent on duly prepared surfaces
Resistances:	
Acid solutions.....	Not suggested
Alkaline solutions.....	Good resistance
Sea water.....	Good resistance
Deionised water.....	Not suggested
Marine atmosphere	Good resistance
Industrial atmosphere	Good resistance
Petrochemical atmosphere.....	Good resistance

TECHNICAL DATA



Specific Gravity A+B	kg/l	1,45 ± 0,05 @ +20°C
Solids by Weight:	%	74 ± 2 % A+B
Solids by Volume:	%	58 ± 2 % A+B
Mixing Ratio by Weight:		90 parts of Base / 10 parts of Hardener
Mixing Ratio by Volume:		84 parts of Base / 16 parts of Hardener
**Pot life @ +20°C:		≥ 6 hours
Colour:		White

SUBSTRATE PREPARATION

Steel: Blast cleaning down to bare metal to SA 2,5 minimum according to ISO 8501/1 with medium Roughness profile 40-70 µm.

New galvanized steel: Dried, abraded and perfectly degreased.

Aluminium: Dried, degreased and lightly abraded or chemically treated.

PRODUCT PREPARATION

Stir thoroughly Base and Hardener. Add slowly, always stirring, the hardener to the base. Go on stirring until a complete homogenization of the components is obtained. (Follow the same procedure also in case of thinning).

** 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.**

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Company with quality management system UNI EN ISO 9001:2015 certified

APPLICATION DETAILS

Application Method:	Standard Airless Spray with compression ratio 45:1 minimum Conventional Spray Roller, Brush
Airless Spray:	Nozzle Ø 0.015 - 0.021 inches Pressure 170 - 250 Kg/cm ²
Thinning (Epothinner):	0 / 10 %
Hardening @ +25°C:	Touch dry 2 / 3 hours Handling 18 / 24 hours
Overcoating @ +20°C:	18 / 24 hours After 48-72 hours we recommend a light sandpapering
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:	50 µm dry film thickness (DFT) wet film thickness about 85 µm(WFT) Min. 30 / Max. 100 µm dry (DFT)
Theoretical spreading rate:	sqm/l 12 – 8 sqm/Kg at the suggested thickness
Theoretical consumption:	125 g/ sqm

More info by writing to sales@industribrunostoppainpaints.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.

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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)

**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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