STOPCOAT 73

Zinc rich two component epoxy primer

NATURE AND USE

Organic Zinc rich Epoxy Primer made of epoxy polyamide resins with a rich content of zinc dust. Suitable to protect steel substrates, sandblasted at the degree SA 2.5 -SA 3 according to ISO 8501/1,(comply with the roughness profile indicated in the paragraph "Substrate preparation") or for touch-up painting (A< 0,15 m² each.) after sandpapering at the degree St3 according to ISO 8501/1 in coating systems to protect structures generally operating in Atmospheric Service Conditions.
Thanks to its rich zinc content, its corrosion protection function is highly performing on pipelines, marine steel structures, wharfs etc. (cathodic protection).
Avoid the coating application in critical conditions of humidity and temperature on substrates if not correctly duly prepared.

TECHNICAL DATA

Specific Gravity A+B:	kg/l	2,2 ± 0,10 @ +20°C
Solids by Weight:	%	81 ± 3 % A+B
Solids by Volume:	%	53 ± 2 % A+B
Mixing Ratio by Weight:		90 parts of Base / 10 parts of Hardener
Mixing Ratio by Volume:		77 parts of Base / 23 parts of Hardener
****Pot life @ +20°C:**		≥ 6 hours
Temperature Resistance In Air – Dry conditions:	°C	Continuous: + 130 °C Occasional (Picks): + 180°C
Colour:		Zinc Grey

SUBSTRATE PREPARATION

Steel: The surface must be cleaned to eliminate possible traces of dirt or salt residuals. The substrate must Be free from all residuals of oils, grease and any contaminant .Abrasive Sandblasting is recommended at the degree SA 2.5 minimum according to ISO 8501-1(with medium roughness profile 40-70 µm. Rz DIN (cut-off 2,5 mm) or (for touch-up painting A< 0,15 m² each) sandpapering at the degree St3 – ISO 8501/1.

PRODUCT PREPARATION

Mix Separately each component in the original can as supplied. Respect the mixing ratio Base and Hardener as per TDS and agitate the mix for 5 minutes to reach complete homogenization. Then pour into the dedicated tank of the application equipment. Let the mix rest for 5 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 with compression ratio 30:1 minimum Conventional Spray Brush only touch-up painting
Thinner:	Epothinner
Thinning:	0-10% with Epothinner, according to the application method
Cleaning:	Epothinner

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Hardening @ +25°C:		Touch dry ≤120 minutes Through dry ≤ 24 hours
Overcoating Interval @ +20°C:		24 hours Min.
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%
Typical dry film Thickness:		50 µm per coat (DFT) (wet about 90/100 µm (WFT)) 50 µm dry (DFT) Min. / 100 µm dry (DFT) Max.
Theoretical spreading rate:	sqm/Kg	4,5 – 5,5 m^2/Kg at the thickness of 50 µm dry

More info by writing to sales@industriebrunostoppanipaints.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)

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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