

STOPCOAT 71 ATEX

Dissipative two-component epoxy zinc rich primer

NATURE AND USE

STOPCOAT 71 Atex is a galvanizing, epoxy polyamide product of organic type, zinc dust rich in the dry film. Studied to function as primer for several anticorrosion coating systems operating in severe environmental conditions, this product is recommended when the service temperature resistance is required. Stopcoat 71 Atex is an organic zinc primer based on epoxy-polyamide resins with a high zinc metallic content in the dry film and modified with special dissipative fillers which make the fully cured paint compliant with the requirements of EN IEC 60079-0 and EN ISO 80079-36 (use of non-metallic materials in dangerous explosive atmospheres due to the presence of gases including those of IIC group according to EN ISO 80079-36). Conceived as a primer for numerous anti-corrosion systems operating in severe environmental conditions, it finds its use in those situations where resistance to operating temperatures is important. Suitable for the treatment of steel surfaces, sandblasted to SA 2.5 -SA 3 grade (see recommended roughness Profiles in "Substrate preparation") or for touch-ups ($A < 0.15 \text{ m}^2$ each) after sanding to grade St3 – ISO 8501/1 In protective systems for structures generally operating in air and also underwater.

Thanks to the zinc content and special dissipative charges, in addition to offering excellent active anti-corrosion protection, it can be applied to steel carpentry (pipes, valves, fittings, etc.), appropriately prepared, which will operate in explosive atmospheres due to the presence, for example, of gases such as hydrogen.

Avoid applications in critical humidity and temperature conditions and on incorrectly prepared substrates (see instructions).

The product is part of a C5-I certified painting system, H (High) durability and C5 VH, VH (Very High) according to ISO 12944.

The product is certified in compliance with the requirements of EN IEC 60079-0 and EN ISO 80079-36 (use Of non-metallic materials in hazardous explosive atmospheres due to the presence of gases including those of IIC group in accordance with EN ISO 80079-36). Test Report Eurofins Product Testing Italy No EPT.23.ATEX.0197/2323043.

The product is also part of a certified painting system where each coat of the cycle and the integral system complies with the requirements of EN IEC 60079-0 and EN ISO 80079-36 (use of non-metallic materials in dangerous explosive atmospheres due to the presence of gas including those of the IIC group in accordance with EN ISO 80079-36).

System: Stopcoat 71 Atex / Stopcoat 307 Atex / Stopcoat 621 Atex.

Test Report Eurofins Product Testing Italy No EPT.23.ATEX.0197/2323043.

Product SNAM qualified for above ground coating systems including the external of installations subject to Atex IIC due to the presence of hydrogen.

TECHNICAL DATA



Specific Gravity A+B	kg/l	2,7 ± 0,10 @ +20°C
Solids by Weight:	%	87 ± 2 % A+B
Solids by Volume:	%	59 ± 2 % A+B
Mixing Ratio by Weight:		90 parts of Base / 10 parts of Hardener
**Pot life @ +20°C:		≥ 6 hours
Temperature Resistance		
In Air, Dry conditions:	°C	Continuous: + 150 °C Occasional (Picks): + 200 °C
Colour:		Grey

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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.

Sandblasting is recommended at 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. Mix respecting the mixing ratio of Base and Hardener agitating the mix for 5 minutes to reach complete homogenization. Then pour into the dedicated tank of the application equipment. Let the mix rest again 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.**

APPLICATIONS DATA

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
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%
Thickness:	50 µm dry (DFT) Min - 100 µm dry (DFT) Max.
Typical dry film Thickness:	50 µm per coat < 8 dft ⁹ (wet about 85 µm (WFT))
Theoretical spreading rate:	sqm/Kg 4,0 – 5,0 at the thickness of 50 µm dry (DFT)

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.

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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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