STOPGAS 2001

Two component high build epoxy paint

NATURE AND USE

Stopgas 2001 is a two component epoxy coating studied for the internal protection of steel pipelines carrying natural gases and service gases, petrochemical products including jet fuel, kerosene and crude oil mix. Thanks to its low V.O.C. and solvents content, Stopgas 2001, if compared to other products designed for the same use, considerably reduces environmental pollution during application.
The product film helps cleaning and pigging operations, hydrostatic tests on the pipe, and a considerable Increase of the flow of the transported means; avoiding the carried product to be contaminated by mill scales or scales deriving from chemical physical degradation of the steel substrate. The considerable long term advantages are referred to pumping costs of the product, and to a long term protection against corrosion of the pipeline interior. Its relatively low thickness and the high performances offered, recommend this coating for such applications.
Furthermore thanks to its characteristics and performances, Stopgas 2001 can be used as sole coat or as primer for new constructions anticorrosion coating system to protect industrial and civil installations or Tanks in contact with oils , brackish waters, industrial waters ,sewage, etc. (Complete info available contacting our Technical Assistance Dept.).

Product Qualified SNAM according to specification GASD C 9.11.01
The product fully cured complies with EN 10301 – ISO 15741 – API RP5 L2

TECHNICAL DATA

Specific Gravity A+B	kg/l	1,35 ± 0,05 @ +20°C
Solids by Weight:	%	75 ± 2 % A+B
Solids by Volume:	%	61 ± 2 % A+B
Mixing Ratio by Weight:		86 parts of Base / 14 parts of Hardener
Mixing Ratio by Volume:		4 parts of Base / 1 part of Hardener
****Pot life @ +20°C:**		≥ 6 hours
Service Temperature:		-20°C/+110°C (full cured coating)
Colour:		Oxide Red

SUBSTRATE PREPARATION

All kind of substrates: Cleaned, degreased, contaminants free and perfectly dry.

Steel / Iron: We suggest a sandblasting to minimum SA 2 ½ according to ISO 8501/1 and roughness RZ to 40 - 50 µm. The substrate shall be perfectly cleaned, dry and free from dust, rust and mill scales.

PRODUCT PREPARATION

Stir separately the two components. Add Comp. B to Comp. A and stir until a complete homogenization is reached. Wait for 10 minutes before starting with the application.
Suggested Time may increase or decrease according to the equipment used for 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.**

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APPLICATION DETAILS

Application Method:		Dual Feed Hot Airless Spray for Two component with compression ratio 45:1 minimum pump pressure 3.5-4 atm. (tip pressure about 150 atm.) nozzle diameter 13-23 thou with different fan width depending on diameter of the pipes to be coated Standard Airless Spray with compression ratio 45:1 minimum Conventional Spray Brush
Thinning:		The product is supplied ready for use. In particular environmental conditions the product can be thinned with Thinner 333 up to 5% Max.
Cleaning:		Thinner 333
Defects repairing:		Should a defect in the film appear, roughen the affected area. Clean it with solvent and repair the same by brush, spray application until the suitable thickness is obtained.
Hardening @ +25°C:		Touch dry 2-3 hours Through dry 10-12 hours If necessary, during industrial work, there is the possibility to apply forced warm air drying at +40°C / +65°C In this case it is suggested a flash period of 30 – 40 minutes Min. at +15/+40°C. Complete curing with maximum performances can be obtained after 7 / 10 days.
Overcoating interval @ +20°C:		Min. 12 / Max. 36 hours
Application temperature:		Min. +8°C / Max. +40°C
Suggested temperature of the product:		+20°C / +30°C
Temperature of the substrate:		from +5°C to 40°C always at least +3/+5°C above dew point
Relative humidity:	%	≤ 85 %
Suggested thickness:		80-100 µm dry DFT. 130-165 µm wet (WFT) Min. 60 – Max. 170 µm dry (DFT) Min. 102 – Max. 280 µm wet (WFT)
Theoretical spreading rate :	sqm/l	6,8 per coat at the suggested thickness

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.

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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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