

### NATURE AND USE

Two component High Solid Epoxy-Polyamine Primer/Intermediate used in initial corrosion protection coating systems for structures and equipment operating in aggressive environments. Stopcoat 307 offers very easy applicability and fast curing combined with a fairly prolonged pot life (using Standard Hardener). A "Fast" version of hardener is also available offering good curing even at temperatures between +3/+10°C, for applications during winter time. Stopcoat 307 can reach dry film thicknesses up to 200 µm dry (dft) per coat.

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

Product Snam qualified for External coating systems for structures exposed to the atmosphere.

### GENERAL PROPERTIES

**Abrasion:** Good resistance to abrasion and mechanical damages  
**Adhesion:** Excellent on duly prepared surfaces

#### Resistances:

**Acid solutions**.....Good resistance  
**Alkaline solutions**.....Good resistance  
**Sea water**.....Good resistance  
**Deionised water**.....Good resistance  
**Marine atmosphere** ..... Good resistance  
**Industrial atmosphere** .....Excellent resistance  
**Petrochemical atmosphere**.....Excellent resistance

### TECHNICAL DATA



**Specific Gravity A+B:** kg/l 1,55 ± 0,05 @ +20°C  
**Solids by Weight:** % 90 ± 2 % A+B  
**Solids by Volume:** % 84 ± 2 % A+B  
**Mixing Ratio by Weight:** 87 parts of Base / 13 parts of Hardener  
**\*\*Pot life @ +20°C:** ~ 1,5 hours with "STD" STANDARD Hardener  
~ 30 minutes with "FAST" Hardener  
**Colours:** Light Grey, Different colours on request

### SUBSTRATE PREPARATION

**All substrates:** Degreased and contaminants free. After roughening, accurately dusted. Make sure all substrates are perfectly free from Humidity traces before coating application.

**Steel** Blast cleaning down to SA 2,5 according to ISO 8501/1 with minimum roughness profile RZ DIN 30-60 µm. When sandblasting is not possible, the substrate must be dry, degreased, perfectly cleaned and rust and Calamine free, then mechanically abraded to minimum grade ST3 according to ISO 8501/1.

**Hot galvanized steel:** Dry, abraded and perfectly degreased.

**Concrete:** Clean, dry, seasoned, free from crumbly loosing parts, free from efflorescence and detaching Oils used as removing oils.

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**Substrates with old paints:** Necessary to evaluate the uniformity and the adhesion to the substrate of previous coat, then wash with water / degreasing -  
After the substrate is fully dry, apply Stopcoat 307 on adequately roughened substrate accurately dedusted.

## PRODUCT PREPARATION

Separately stir each component carefully in the original container. Mix in the right proportion Base and Hardener, stirring the mix for 5 minutes to reach the complete homogenization, then pour in the dedicated container of the spraying apparatus.

\*\* 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

<b>Application method:</b>	Standard Airless Spray with compression ratio 45:1 minimum Conventional Spray Roller, Brush
<b>Airless Spray:</b>	Nozzle Ø 0.018 - 0.021 inches Pressure 160 - 180 Kg/sqcm
<b>Thinning:</b>	0 - 10 % Epothinner
<b>Cleaning:</b>	Epothinner
<b>Hardening @ +25°C:</b>	Touch dry 3 / 4 hours with "FAST" Hardener Touch dry 6 / 8 hours with "STD" Hardener Through dry 6 / 8 hours with "FAST" Hardener Through dry 12 / 18 hours with "STD" Hardener
<b>Overcoating @ +20°C:</b>	4 / 24 hours with "FAST" Hardener (after 36 hours we recommend sandpapering) 12 / 36 hours with "STD" Hardener (after 48 hours we recommend sandpapering)
<b>Temperature for application:</b>	+3/+35°C Always at least +3/+5°C above Dew Point
<b>Temperature of the product:</b>	+20°C (Suggested).
<b>Minimum temperature of the substrate:</b>	+5 °C - Max. +40°C
<b>Relative humidity:</b>	≤ 85 %
<b>Suggested thickness:</b>	150 µm dry film thickness (DFT) wet film thickness (WFT) ~ 175 µm Min. 80 µm dry (DFT) / Max. 250 µm dry (DFT)
<b>Theoretical spreading rate:</b>	sqm/l 5.6 3.6 sqm/Kg at the suggested thickness
<b>Theoretical consumption:</b>	~ 280 g/ sqm at the suggested thickness

More info by writing to [sales@industri brunostoppa nipa nts.com](mailto:sales@industri brunostoppa nipa nts.com) or by calling +39 030 9745116

MTDS 02024/ Page 2 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 nipa nts.com](mailto:sales@industri brunostoppa nipa nts.com) - [www.industri brunostoppa nipa nts.com](http://www.industri brunostoppa nipa nts.com)

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

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## 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

MTDS 02024/ Page 3 of 3

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