

STOPCOAT 603

Two-component epoxy polyamide enamel

NATURE AND USE

Stopcoat 603 is a two-component, epoxy polyamide coating suitable for steel, concrete, masonries, etc. Designed as topcoat, it is particularly suitable for initial anticorrosion coating systems or maintenance of Structures exposed to severe environmental conditions after a suitable primer application.

NB: Like all materials of the same nature and type also Stopcoat 603 polymerized film, when exposed in air in external ambient, due to the action of atmospheric agents (sun, rain etc.) may undergo colour changing with chalking and tarnishing.

These phenomena are only aesthetic ones and do not indicate a loss of the corrosion protection property from the coating as the characteristic of the film is not altered.

GENERAL PROPERTIES

Protection from corrosion:	The application of one single coat provides a good protection to the substrate
Abrasion:	Good resistance to abrasion and to mechanical damage
Adhesion:	Excellent on substrates correctly prepared
Resistances:	
Acid solutions.....	Good *
Alkaline solutions.....	Good *
Sea water.....	Excellent
Deionised water.....	Good
Marine environment	Excellent
Industrial environment	Excellent
Petrochemical environment.....	Excellent

(*) Resistance to smokes, vapours and sprays.

TECHNICAL DATA

Type of Binder:	Epoxy Amide
Specific Gravity A+B:	kg/l 1,20 – 1,40 (According to the required colour) @ +20°C
Solids by Weight:	% 63 ± 3 % A+B
Solids by Volume:	% 45 ± 3 % A+B
Mixing Ratio by Weight:	100 parts of Base / 50 parts of Hardener
**Pot life @ +20°C:	≥ 4 hours
Colours:	RAL colours on demand
Final film appearance:	Glossy



SUBSTRATE PREPARATION

Steel: On substrate blast cleaned to SA 2,5 apply one coat of epoxy undercoat or of primer with zinc. After 24 hours apply a second coat of epoxy intermediate and then complete with 1-2 coats of Stopcoat 603 enamel, recoat interval 24 hours between each coat.

Aluminium, Light alloys, Hot Galvanized Steel: Remove the oxidized superficial coat by mechanic brush or grinding disk. Remove dust and brushing residuals, degrease the substrate with Epothinner and apply 1 coat of STOPCOAT 305 or EPOXY PRIMER 938 or other suitable Primer.

Finish with the application of 1-2 coats of Stopcoat 603, recoat interval 24 hours between each coat.

Substrates already coated: Verify the compatibility with the underlying material, perform very accurate cleaning of the substrate and removal of any contaminant. The substrate shall be perfectly dry and free from any traces of humidity.

Other substrates: Cleaned, adequately prepared and treated with suitable primer.

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

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PRODUCT PREPARATION

Mix separately the two components in their original supply can. Mix the two components in the right mixing proportion and agitate the mix 5 minutes until a complete homogenization is reached.

Then pour into the dedicated can of the application equipment, let the mix rest for 10 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 compression ratio 30:1 minimum Conventional Spray Roller Brush only for small areas or recovery of defects
Thinner and tools cleaning :		Thinner EPOTHINNER
Thinning	%	0 – 15
Cleaning:		Epothinner
Hardening @ +25°C:		Touch dry 3/4 hours Through dry 24 hours
Overcoating interval @ +20°C:		Minimum 18 hours – Maximum 36 hours
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%
Film thickness :		Minimum 30 µm dry (DFT) / Maximum 60 µm dry (DFT)
Theoretical spreading rate :	m²/l	8,5-9,5 at a dry film thickness of 50 µm dft.

More info by writing to sales@industribrunostoppainipaints.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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