

STOPCOAT 300

Surface tolerant primer with zinc phosphates

NATURE AND USE

STOPCOAT 300 is a surface tolerant/Primer, epoxy-polyamine-amidic, zinc phosphates based product which is studied as universal undercoat for steel, aluminium, galvanized sheet in the most wide range of applications. Suitable to protect installations and structures in aggressive environments.

Applied on steel, sandblasting to SA 2,5 according to ISO 8501/1 is the necessary premise to reach the highest performances. Excellent used also as intermediate in new or maintenance coating systems.

Ranking ACET ISO 12944.

Note: Like all materials of the same nature and type also Stopcoat 300 polymerized film, when exposed in air in external ambient, due to the action of atmospheric agents (sun, rain etcetera) 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.

TECHNICAL DATA



Specific Gravity A+B:	kg/l	1,30 ± 0,05 @ +20°C
Solids by Weight:	%	73 ± 3 % A+B
Solids by Volume:	%	60 ± 3 % A+B
Mixing Ratio by Weight:	75 parts of Base / 25 parts of Hardener	
Mixing Ratio by Volume:	2 parts of Base / 1 part of Hardener	
**Pot life @ +20°C:	≥ 6 hours	
Colour:	Oxide Red or on request	

SUBSTRATE PREPARATION

All types of substrates: All surfaces must be free from residual of greases and contaminants.

After roughening, perform accurate dust removal. Verify that the substrates to coat are always completely free from traces of humidity.

Steel: Sandblasting at grade SA 2,5 according to ISO 8501/1 with minimum roughness profile Rz DIN 30 – 60 µm. When sandblasting is not possible, the substrate should be dry, degreased, perfectly cleaned and free from rust or calamine, mechanically abraded at the minimum grade ST3 according to ISO 8501/1.

Steel already coated: All detaching or not well anchored parts of old paint must be mechanically stripped as well as all rust scraped off. Roughen well the surface to treat to reach the proper adherence between paint and substrate. Eliminate all dust and other residuals from the above operations.

Note: We suggest to verify always in any case and preliminarily the compatibility between old paint and the new one to be applied

New galvanized steel: Dried, abraded and perfectly degreased.

Galvanized steel already coated: Abrade removing all rust traces.

Aluminium: Dried, degreased and lightly abraded or chemically treated.

Concrete: Cleaned, dried, seasoned, free from flaking parts, efflorescence, detaching oils.

PRODUCT PREPARATION

Homogenize the Base and the Hardener in the original containers. Mix Base and Hardener in the right proportions, stirring the obtained mix for another 5 minutes until a complete homogenization is reached. Pour the mix in the spray equipment tank.

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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@industriebrunostoppaipaints.com - www.industriebrunostoppaipaints.com

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

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** 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 45:1 minimum Conventional Spray Brush, roller
Thinner:	Thinner for epoxy products Epothinner
Thinning: %	Spray, Brush, Roller 0 – 15% Different thinning can be necessary according to absorption of the substrate, the thickness required, and the coating system chosen
Cleaning:	Epothinner
Hardening @ +25°C:	Touch dry 2-3 hours Handling 24-36 hours The full curing with the maximum resistance characteristic is reached after 7 days
Overcoating interval @ +20°C:	+18 / +24 hours After 48-72 hours we recommend a light sandpapering The product can be overcoated with all kind of two-component Product
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%
Suggested thickness:	Dry film thickness 75 µm dry (DFT) - wet film thickness 125 µm (WFT) Min.40 – Max. 150 µm dry (DFT)
Theoretical spreading rate: sqm/kg	6,0 – 7,0 at the suggested thickness

More info by writing to sales@industribrunostoppapaints.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.

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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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