

NATURE AND USE

Two-component high build epoxy coating to be used as internal / external coating of pipelines, protection of piling, tanks, carpentry, on / off shore structures made of steel or concrete.

The coating forms a hard film, which is compact and highly abrasion resistant and well performing in marine and industrial environment.

Stopcoat 690 withstand in solutions of medium aggressiveness: Acid solutions (1% H₂SO₄ in water) or basic solutions (1% NaOH in water) and it is suitable to transport sewage waters and brackish water.

No free or combined aromatic amines are present in the product.

NB: Like all materials of the same nature and type also Stopcoat 690 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	1,60 ± 0,10 @ +20°C
Solids by Weight:	%	94 ± 3 % A+B
Solids by Volume:	%	91 ± 3 % A+B
Mixing Ratio by Weight:		~ 71 parts of Base / 29 parts of Hardener
**Pot life @ +20°C:		~ 90 ± 10 minutes
Resistance to temperature:		+ 70 °C
Colour:		RAL
Final film appearance:		Semi-Glossy

SUBSTRATE PREPARATION

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

Steel: Sandblasting to SA 2,5 minimum, according to ISO 8501-1 for steel with roughness profile Rz DIN 60– 100 µm. Follow with accurate dusting by dehumidified compressed injected air.

Other kind of substrates: All substrates must be cleaned, prepared, dry and treated with a suitable primer if necessary.

PRODUCT PREPARATION

Stir thoroughly the two components separately, keep on stirring up after catalysis for minimum 5 minutes until a homogeneous mix is reached.

** 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 60:1 minimum Dual Feed Hot Airless Spray for two-component with compression ratio 45:1 minimum Brush/roller for touch up and or limited areas
Spray:	nozzle Ø 0.015.0.020 inches Pressure 200-270 Kg/ cm ²

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

Thinning:	The product is ready to use
Cleaning:	Epothinner. Wash all the equipment immediately after use with Epothinner
Hardening @ +25°C:	Dust dry 7 - 8 hours Handling 24 - 36 hours Complete curing 7 days at +25°C
Overcoating interval @ +20°C:	Within 36 - 48 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%
Suggested thickness per coat:	300 µm dry (DFT) Minimum 200 / Maximum 400 µm dry (DFT)
Theoretical spreading rate:	sqm/kg ~ 1,8 at a dft of 300 µm dry
Theoretical consumption:	g/sqm ~ 550 at a dft of 300 µm dry

More info by writing to sales@industriestoppapaints.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.

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)

STOPCOAT 690

High build epoxy paint

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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