

ZINCANTE ORGANICO 7434/E

Zinc-rich two-component epoxy primer

NATURE AND USE

Zinc-rich primer of organic type with high content of zinc dust. Suitable to coat steel substrates with previous sand-blasting at the degree SA 2.5 -SA 3 according to ISO 8501/ specification. Used also for touch-up painting (A< 0,15 sqm each.) after sandpapering at the degree St3 – ISO 8501/1 in coating systems for steel structures in Water Immersion Service or Atmospheric Service.

The zinc-rich content allows to perform high level corrosion protection function on pipes, steel marine structures, wharfs and constructions operating in areas exposed to severe conditions (cathodic protection).

The product re-coatability and the maintenance operations are programmed on long-term basis, with no need of mechanical preparation of the areas to be coated.

Important to avoid the coating application in critical conditions of humidity and temperature.

The Substrate must always be correctly prepared.

The product complies with ENEL Dco (P34) Specifications.

TECHNICAL DATA



Colour:	Base: Grey Zinc / Hardener: Neutral colour
Specific Gravity A+B	kg/l 3.1 ± 0.1 @ +20°C
Solids by Weight:	% 88 ± 3 % A+B
Solids by Volume:	% 58 ± 3 % A+B
Mixing Ratio by Weight:	95 parts of Base / 5 parts of Hardener
**Pot life @ +20°C:	≥6 hours
Max Continuous Service T°	
In Air service, Dry conditions:	°C + 150 °C
Temporary service:	°C + 200 °C
Film Appearance:	Matt

SUBSTRATE PREPARATION

Steel substrates : The steel surface must be fully cleaned to avoid any traces of dirt or salt residuals.

The substrate must be free from deposits of oil, grease and any other contaminant. Blast cleaning at SA 2,5 minimum according to ISO 8501-1, medium roughness profile of 40 - 70µm Rz DIN (cut-off 2,5 mm) or sandpapering (for touch-up painting A< 0,15 m² each) grade St3 – ISO 8501/1.

PRODUCT PREPARATION

Separately mix each component in the original can. Add component B (Hardener) to component A (Base) and mix them till complete homogenization is reached. Keep waiting 10 minutes before starting the application of the product.

The indicated time can be increased/decreased according to the type of application equipment.

** 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 minimum compression ratio 30:1 Conventional Spray Brush for touch-up only
Thinning:	5% Max.
Thinner :	Epohinner
Cleaning:	Epohinner

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

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Hardening @ 25°C:	Surface Dry ≤ 120 minutes Through dry ≤ 24 hours
Overcoating interval @ +20°C:	24 hours Min. / Max. Unlimited
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%
Thickness:	40 µm dry (DFT) Min. - 75 µm dry (DFT) Max.
Typical dft	50 µm dry (DFT) per coat (wet about 90 µm (WFT)
Theoretical spreading rate:	sqm/kg 3,5 – 4,5 per coat at the thickness of 50 µm dry (DFT)

More info by writing to sales@industri brunostoppa nipa nts.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)

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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