

ZINCANTE EPOX 2K

1200.

Two-component epoxy zinc-based primer

21/12/21 rev.02



Description and use

Two-component epoxy zinc-based primer with metallic zinc content higher than 80% dry film and polyamide hardener. Used to protect against long-term corrosion of steel structures located in rural, urban, industrial and marine environments. Suitable as a base primer in thick cycles to be coated with epoxy primers or intermediates.

Technical data

Colour	:	Dark grey
Type of product	:	2K with IND PER ZINCANTE EPOX 2K code 1888
Pot-life	:	2 hours
Dry film appearance	:	matt
Practical cover rate*	:	2.5 ÷ 3.5 m ² /kg with 50 ÷ 70 μm dry film
Storage life	:	12 months in original sealed container.

	Value	Unit	Internal method
Specific gravity	3.19 ÷ 3.25	kg/l	IP PS PC
Viscosity part "A"	35000 ÷ 70000	mPa.s Brookfield rpm 10 s 6	IP VI BK

*The cover rate is calculated on the suggested thickness and applied on plane and regular surfaces.

NB: Data recorded @ 20°C (68°F) and 65% RH.

Application note

- Substrate preparation :
- All surfaces to be painted must be clean, dry and free from any kind of contamination such as dust, oils and greases. Clean with a suitable solvent.
 - The application must be made on sandblasted iron to the minimum grade SA 2 ½ according to the standard (ISO 8501-1: 2007) or SSPC-SP6 with a recommended surface profile of 40 ÷ 60 microns. Paint as quickly as possible to avoid any form of oxidation of the sandblasted surface.
 - To avoid condensation, apply to a clean, dry surface with a temperature at least 3°C (37.4°F) above the dew point. The surface temperature must be between 5°C (41°F) and 35°C (95°F).
- Product preparation :
- Due to the nature of the product, component A requires careful homogenization to achieve even colour and consistency. Then mix with component B in the ratio indicated below.**

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It is necessary that the spray application is carried out by taking the material from a container kept under agitation, to prevent the zinc, due to its high specific gravity, from sedimenting excessively.

The application must be performed with temperatures between 5°C (41°F) and 35°C (95°F). Temperatures below 5°C (41°F) and high humidity slow down the hardening process.

	BY WEIGHT	BY VOLUME
PRODUCT 1200 ZINCANTE EPOX 2K	100	3
HARDENER 1888 IND PER ZINCANTE EPOX 2K	10	1
THINNER 1612 DILUENTE EPOX	20 ÷ 30%	

Application method : - air mix spray gun with nozzle \varnothing 1.8 ÷ 2.0 mm and pressure of 3 ÷ 5 bar.
 - airless spraying with nozzle \varnothing 0.019 ÷ 0.023 inches and pressure of 130 ÷ 150 bar
 - roller
 - brush (for small parts or areas that are difficult to reach with spray application)

Recommended thickness : Apply a minimum dry thickness of 50 ÷ 70 microns to ensure excellent anticorrosive resistance. On average, to obtain this thickness it is necessary to apply a wet thickness of about 90 ÷ 100 microns. Avoid a thickness greater than 90 microns dry: an excessive thickness of product leads to the lack of cohesion of the film.

DRYING TIME	Dust free	Touch dry	Through drying
Air drying @ 20°C (68°F) - 65% RH	15 ÷ 20 minutes	1 ÷ 3 hours	8 ÷ 12 hours
Air drying @ 10°C (50°F) - 75% RH	25 ÷ 30 minutes	2 ÷ 6 hours	15 ÷ 20 hours

Recoating : Minimum 12 hours at 20°C (68°F), with no time limit. However, it is advisable to roughen the surface if the recoating time exceeds 30 days. Do not recoat with alkyd enamels

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NOTE:

As all this kind of products, high humidity and low temperatures during the paint application can damage the features and the drying of the film.

Do not apply when the temperature is below + 5°C (41°F) and the relative humidity exceeds 80%.

Not recommended for use on structures placed in environments with continuous action of both acidic and alkaline chemical agents.

Warnings

FOR INDUSTRIAL USE ONLY

Exclusively for use not restricted from Directive 2004/42/EC.

Always read the safety datasheet before use.

Dispose of contents/container in accordance with national regulation.

Information provided in this technical data sheet is based upon our best experience and technical knowledge; it does not absolve the users from carrying out tests and preventive checks in order to verify the suitability for use. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE.

This note replaces all the previous ones. Please, make sure to have the latest issue. The above mentioned data are meant to facilitate our customers in the use of our products. IMPA is not responsible for applications of products carried out beyond its direct control.

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