

CEMBLOCK

Epoxy impregnating neutralizer agent for concrete

NATURE AND USE

Cemblock is an epoxy-polyamide coating of low viscosity whose characteristic is the good penetration into porous substrates. It is used as penetrating agent on cement substrates well cleaned, fully seasoned and through dried, Cemblock is used also to treat industrial floors in general. It can be applied in the required quantity to saturate concrete substrate with anti-dust function.

The product re-coatability and the maintenance operations can be 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.

Note: Like all materials of the same nature and type also Cemblock 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.

The product complies with ENEL Dco (P27) Specification

TECHNICAL DATA

| | | | |
|---|---|----------|-----|
| Specific Gravity A+B | Kg/l 0,930 ± 0,05 @ +20°C | | |
| Solids by Weight: | % | 35 ± 2 % | A+B |
| Solids by Volume: | % | 31 ± 2 % | A+B |
| Mixing Ratio by Weight: | 50 parts of Base / 50 parts of Hardener | | |
| Mixing Ratio by Volume: | 1 part of Base / 1 part of Hardener | | |
| **Pot life @ +20°C: | ≥ 6 hours | | |
| Max continuous Service Temperature °C: | +50/+60 °C (in air, dry conditions) | | |
| Colour: | Colourless (A+B) | | |



SUBSTRATE PREPARATION

Cement and Concrete substrates, industrial floors in general:

The cement should be completely seasoned and fully dried, about 28 days for ordinary Portland cement, with an internal humidity lower than 4%.

Important to check the internal absence of actions generated by water presence and due to capillarity and water creeks.

Apply only on a dry and seasoned substrate free from residuals of grease, oil and other contaminants, perfectly roughened and accurately de-dusted. If applied in closed areas, provide a suitable ventilation during application and drying.

Cemblock is applied to saturate absorbing cementitious substrates.

For a practical use, the practical spreading rate depends on the roughness and the porosity of the cement and also on the application method.

PRODUCT PREPARATION

Mix the two components separately. Add component B to component A and stir until a complete homogenization is reached. Await 5 minutes before starting the application. However, the indicated time may increase or decrease according to the equipment used for 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.**

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

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APPLICATION DETAILS

| | |
|---|---|
| Application Method: | Standard Airless Spray with compression ratio 30:1 minimum Conventional Spray Roller, Brush |
| Thinning: | Ready for use. Do not thin |
| Cleaning: | Epothinner |
| Hardening @ +25°C: | Touch dry 4-6 hours Through dry 12-14 hours 24 hours Min. |
| Overcoating interval @ +20°C: | |
| 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: | 30 µm dry (DFT) per coat (wet ~ 100 µm WFT) |
| Theoretical spreading rate: | sqm/Kg 10 - 11 at a thickness of 30 µm DFT |
| More info by writing to sales@industribrunostoppainpaints.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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