

PRIMER EPOX

Two-component epoxy primer for consolidating and waterproofing cement substrates



Description

Primer Epoxy is an epoxy resin-based product and a polyamide hardener, non-corrosive and free of volatile solvents.

Application Areas

Primer Epoxy is indicated for the waterproofing of cement substrates, even very damp ones, and for the superficial consolidation of inconsistent substrates and/or with poor mechanical properties. Some application examples: vapor barrier before applying traditional waterproof coatings (ex. bituminous membranes.) Surface consolidating the mechanically weak cement screeds lacking binders or insufficient curing, even heating.

Advantages

- Primer Epoxy has excellent adhesion to metal and glass.
- It does not contain volatile solvents.
- It is possible to apply Primer Epoxy on very damp surfaces without impairing its final performance.
- Unlike other similar products, it does not contain corrosive substances.

Surface Preparation

Remove any stagnant water, dirt, oil, paint, old surface treatments and, in general, any other non-adherent material that could compromise the adhesion of Primer Epoxy.

Cement laitance present on concrete surfaces must be removed with an effective mechanical abrasion in order to allow the penetration of the product. Cracks and surface fissures must be opened and sealed with an epoxy mortar obtained by mixing Primer Epoxy with cement and/or silica sand with a grain size 0.7-1.2 until the desired consistency.

Product Application

Pour component B into component A. Mixing ratio (A) + (B) = 10 + 6. Mix for 3-5 minutes, using a low speed mixer (less than 300 g/min) so as to obtain a homogeneous mixture. The temperature range for the use of Primer Epoxy is between +5°C and +30°C. Epoxy Primer should be applied to the surface immediately after mixing using a brush, roller or airless system. Pour the product on the surface and spread it evenly until fully covered. Apply a coat of primer for concrete with medium or low porosity and two coats in the case of highly porous concretes, with a variable consumption between 0.25 and 0.40 kg/m². It is important that all the pores of the concrete are perfectly covered.

Application of waterproofing membranes

The application of waterproofing membranes must take place between 15 and 24 hours, after this time it is necessary to provide a light surface abrasion and then another coat of Epoxy Primer.

It is possible to extend the wait time by sprinkling dry quartz sand on the surface treated with Primer Epoxy.

Sprinkle the sand to saturation.

For coatings up to 2 mm thick use sand with grain size from 0.4 to 0.8 mm; for greater thicknesses, coarser sand can be used.

When the primer is dry to the touch, remove the excess sand with a brush.

Important

Always ensure adequate ventilation in the space in which you work.

Use suitable means of protection.

The product, when just applied, must be protected from water.

Cleaning

Clean tools and equipment first with paper towels and then with solvent (white spirit, diluted nitro, etc.).

Storage

Primer Epoxy can be stored for a minimum of 24 months in the original unopened pails at a temperature of 5-35°C in a dry place.

Once opened, tightly close the containers.

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Technical data

Feature	Unit of measurement	Method	Specifications
Part A Part B Reaction product		Visual	transparent colorless liquid light yellow liquid yellowish transparent flexible
Viscosity Part A Part B	mPa.s @ 25°C	UNI EN ISO 2855	900 - 1200 500 - 1500
Viscosity of the mixture	mPa.s @ 25°C	UNI EN ISO 2855	800 - 1200
Specific weight of the mixture	gr/cm ³		1,05 - 1,1
Pot Life	minutes		30 - 40
Complete drying	days		About 7

The data contained in this publication, and any technical advice - whether verbal, written or following trials - are based on our current knowledge and experience. Because of the many factors that have an effect in the application processes of our products, this information does not absolve the user from the obligation to verify their validity and to test the suitability of products for specific uses, nor guarantee any specific properties or specific results. The application and use of our products, even if made following our technical advice, is conducted outside of our control and are therefore under the user's responsibility. It is the responsibility of the user of our products to ensure that they meet the rights of third parties and to that they observe the regulations and laws in force.

Packaging

	Pail size
COMP. A	6,25 kg
COMP. B	3,75 kg

We reserve the rights to change or modify the nominal values without prior notice or advice.