

Torggler

Anchoring and Mounting

EPOX RIPRESA

Two-component epoxy adhesive for concrete casting joints.



- Slightly thixotropic
- Water-based product

APPLICATION AREAS

- Epox Ripresa is ideal for bonding mortar or fresh concrete on already hardened substrates.
- Epox Ripresa is used as an anchorage system for concrete casting joints, as a low thickness restoration screed and for floors repair. It is also used for bonding elements made of porous material with smooth and even damp surfaces. To obtain thicker adhesive layers, necessary to bond irregular surfaces, it is possible to add even damp sand at the time of application. In any case, the thickness of the adhesive must not exceed 5 mm.

MAXIMUM ATTAINABLE THICKNESSES

5 mm

FEATURES

Epox Ripresa is a two-component adhesive made of a pure, slightly thickened epoxy resin and a special hardener with hydrophilic properties. Low-viscosity, slightly thixotropic adhesive, mainly suitable for bonding horizontal surfaces and concrete casting joints. It can also be spread on damp substrates with a long-handled scrubbing brush or a hard brush. The fluidity of the resins and the polar properties of the hardener guarantee excellent penetration and adhesion on porous cement-based substrates.

WARNINGS

- Do not apply Epox Ripresa at temperatures below +5 °C.
- If stored for more than one day at temperatures below approx. +10 °C, component B may appear coagulated due to the effect of crystallisation of the epoxy resin it contains. This phenomenon does not constitute a defect and can be easily eliminated by heating the affected containers to +40 °C overnight.

INSTRUCTIONS FOR USE

Preparation for use

The concrete must be pre-treated, either mechanically (by sandblasting or brushing), or chemically (washing with 10% hydrochloric acid) or with water jet. For sound, solid and perfectly clean surfaces, a treatment with hydrochloric acid is sufficient: leave it in place for about 30 minutes to remove the pure cement dust and to brighten the surface, then rinse with water and spread the adhesive only after the complete removal of water from the surfaces. If there are traces of oils, waxes, release agents or other residues of organic dirt on the surface, it is necessary to remove the dirt mechanically, by sandblasting, or with a steel brush. Then wash vigorously with water and apply the adhesive only after complete removal of water.

Product preparation

Intimately mix the two pre-dosed components into their original containers then pour component B into component A and mix with an electric mixer without introducing air until a homogeneous mass is obtained. Use a fine-tooth trowel to obtain a uniform thickness. On concrete casting joints the adhesive is applied with a long-handled scrubbing brush or a hard brush.

Instructions for use

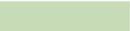
Epox Ripresa must be applied on both surfaces to be bonded. Assemble the elements within the open time limits. On concrete casting joints wait for the adhesive to harden (approx. 30 minutes) and then perform the casting or restoration; this is to limit to a minimum the possibility of adhesive removal during mechanical compaction of the fresh casted materials. The workability time (pot-life) for one kilogram of mixture is approx. one hour at +20 °C. At higher temperatures or with larger quantities the workability time is considerably shortened. This adhesive must not be used at temperatures below +5 °C. The adhesive open time (workability of the adhesive spread on the bonding surface) is approx. two hours under normal conditions.

Cleaning

Tools can be cleaned with water, preferably hot.

TECHNICAL SPECIFICATIONS

Appearance	component A: viscous liquid, component B: liquid
Colour	component A: yellow, component B: yellow
Mixing ratio	C. A : C. B = 2:1
Density of mix A+B (UNI 8490/2)	approx. 1.22 g/ml
Compressive strength (EN 12190)	54.5 N/mm ²
Flexural strength (EN 12190)	12.5 N/mm ²
Tensile strength	9.0 N/mm ²
Adhesion on concrete (breakage always occurs in concrete)	7.0 N/mm ²
Color	Yellow
Bicomponent	2 components
Packaging	bucket
Packaging size	4x3 kg



CONSUMPTION

The consumption of Epox Ripresa is approx. 600-800 g/m²

STORAGE

When stored at a temperature between +5 °C and +30 °C in its original sealed packaging Epox Ripresa is stable for at least 18 months.

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 09.02.2021.