

CLEVERTOP™ EPOXY REPAIR

TWO COMPONENT, EPOXY BASED, REPAIR, ANCHORAGE AND INSTALLATION MORTAR

DESCRIPTION:

CLEVERTOP™ EPOXY REPAIR is a solvent-free repair, anchorage and assembly mortar that is cured by a two-component chemical reaction.

TYPICAL APPLICATIONS:

- ✓ On concrete and stone walls,
- ✓ In the adhesion and assembly of concrete and all metal and steel construction elements,
- ✓ Fixing earthquake dampers and railings of bridges and viaducts,
- ✓ Fixing the anchor elements
- ✓ Adhering dilatation tapes

FEATURES AND ADVANTAGES:

- ✓ It provides excellent adhesion and adherence to concrete and steel.
- ✓ Easily applied in vertical, vertical and horizontal applications.
- ✓ Does not sag.
- ✓ It has effective resistance against chemicals.
- ✓ High filling capacity.
- ✓ Easy to apply, in the consistency of a paste.

APPLICATION PROCEDURE:

SURFACE PREPARATION:

Before the application, the factors that may weaken adhesion such as oil, grease, paraffin wastes, cement grout, loose particles, mold release areas, cured old membranes should be removed from the surface. Steel surfaces should be cleaned of rust by sanding. If there is a water current on the surface, it should be drained or with a suitable material, the water flow should be blocked and blocked.

PRIMING

It does not require a primer on floors with suitable surface preparation as stated above.

APPLICATION:

The product is supplied in two component sets. Components A and B are combined and mixed with a low-speed mixer for 2-3 minutes and made ready for application. Pot life of the mixture is 40 minutes at +20°C. Higher temperatures will reduce how many lifetime, lower temperatures will increase pot life. Manual mixing should not be done. It is applied with a spatula, trowel or a cartridge gun (foil gun). They are filled in the holes prepared for the surface starting from the bottom. The application should be minimum 2 mm and maximum 30 mm. In the anchor installation, it should be rotated into EPOXY REPAIR filled in the holes drilled in the depth and width determined in the project and it should be observed that the material overflows outside the hole.

CONSUMPTION:

It is approximately 1.7 kg / m² for 1 mm thickness.

PACKAGING AND COLOR:

It is gray color in 3.75 Kg and 1.25 Kg metal packages.

STORAGE AND SHELF LIFE:

The product can be stored for a maximum of 12 months in its unopened original package at temperatures between +5°C and +25°C. Opened product should be used as soon as possible.

PRECAUTIONS:

The product should be used in well ventilated environments. The product should not be in contact with open fire. Smoking should not be allowed during application. Protective gloves and masks should be used for hands and eyes during application. If the material comes into contact with eyes, it should be washed immediately with sufficient water. Adequate ventilation is required during application. For more detailed information, ask for Safety Data Sheet (MSDS) from CLEVER POLYMERS technical department.

TECHNICAL DATA:

QUALIFICATION	METHOD	FEATURE
Coating Type	Clever Lab.	Epoxy resin
Density	ASTM D 1475 / EN ISO 2811-1 (+20 °C)	1,70 gr / cm ³ (± 0,05)
Application Thickness	Clever Lab.	2 mm - 30 mm
Processing Time	Clever Lab.	~ 40 minutes
Flexural Strength	Clever Lab.	1 Day = ≥ 17 N/mm ² 7 Days = ≥ 25 N/mm ²
Compressive Strength	Clever Lab.	1 Day = ≥ 30 N/mm ² 7 Days = ≥ 75 N/mm ²
Adhesion Strength	Clever Lab.	1 Day = $\geq 3,5$ N/mm ² 7 Days = $\geq 3,0$ N/mm ²
Application Floor Temperature	Clever Lab.	+5 °C to +30 °C
Service Temperature	Clever Lab.	-15 °C to +90 °C
Tack Free Time	Clever Lab.	8-24 Hours
Full Curing Time	Clever Lab.	7 days
Color	Clever Lab.	Transparent - Red

* Viscosity measured at + 25 ° C according to EN ISO 3219 standards. Viscosity increases inversely with temperature.

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