



SEMPOXY GROUT 2K

TWO COMPONENT EPOXY BASED GROUT MORTAR

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DATE 10.06.2023

REV. DATE: 01.01.2025

REV:02

1 DESCRIPTION

It is a two-component, solvent-free, special graded epoxy resin-based repair mortar. It has high impact, pressure and abrasion resistance.

2 ADVANTAGES

- Resistant to oils and acids
- Non-toxic.
- Waterproofing ability
- Resistant to freezing and thawing.
- Resistant to various chemicals.
- Resistant to vibration.
- Does not require primer.

3 USES

- As floor covering in heavy load areas,
- Mortar for expansion profiles and similar metal profiles and rails,
- Repairing of expansion joints of industrial floors and floor joints.

4 PACKAGING

A/B: 24+1kg= 25 kg set

5 TECHNICAL SPECIFICATIONS

QUALIFICATIONS	FEATURES	METHODS
Color	A Bileşeni: Yellowish Sand B bileşeni: Transparent Mixture: Yellowish Sand	-
Density	1,90 g/cm ³	ASTM D1475 / DIN 53217 / ISO 2811
Surface Temperature	(+5°C) -(+30°C)	-
Mixture Ratio (By weight)	24 birim A, 1 birim B	-
Mixture Pot Life	Takr. 40 dk. (20 °C - 1 lt)	-
Solid content	%100	-
Adherence to Concrete	≥ 4 N/mm ²	EN 1542
Compressive Strength	≥ 60-70 N/mm ²	TS EN 196
Flexural Strength	≥ 28 N/ mm ²	TS EN 196
Tensile Strength	30 Mpa	TS EN 196
Tam Mukavemete Ulaşma	7 Days	-

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

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6 CONSUMPTION

For 1 mm thickness $2,0 \text{ kg} / \text{m}^2$. Application thickness should be max. 5 mm in each layer. The application time between layers should be 4-5 hours.

7 APPLICATION PROCEDURE

Surface Preparations

The application surface should be cleaned, roughened if necessary and removed from the oil, rust, paint and dust. The concrete must be minimum 28 days old and the concrete surface must be dry/slightly damp. Steel surfaces should be blasted with sand or cleaned with a brush until shiny metal is removed. Rust on the reinforcement should be cleaned and new reinforcement should be added if necessary.

In machine foundations; before placing the machine, the concrete should be cleaned, the surface to be grouted should be roughened, bolts and base plate should be clean. Air evacuation holes must be pre-drilled in the base plate. After the machine is placed and leveled, its position should not be changed and the adjustment wedges should be lightly lubricated to prevent the mortar from sticking.

Preparation of molds: The molds should be solid and free of gaps, and a 5 cm casting gap should be left between the edge of the base plate and the mold on the side where the grout mortar will be poured. Polyethylene can be used to prevent the product from sticking to the mold walls.

Preparation of the Mixture:

Mix components A and B with a low speed mixer until a homogeneous mixture is obtained.

Application:

SEMPOXY GROUT 2K is applied by pouring into the mold cavities or on the surface immediately after mixing. (4-50 mm) In repair applications; mortar is poured onto the surface and placed well with the help of a toothed trowel. Hot, dry and windy environments should be protected from external influences for 48 hours. In grout applications; mortar should be poured only from one side of the mold and without interruption, and the material should be placed well by using a hooked steel wire. Molds should not be taken before 24 hours, setting wedges should not be taken before 2 days, bolts should be checked after the machine is put into operation. Hot, dry and windy environments should be protected from external influences for 48 hours.

8 STORAGE AND SHELF LIFE

Can be kept for minimum 12 months in the original unopened pails in dry places and at temperatures of 5-25 oC. Once a pail has been opened, use as soon as possible.

8 PRECUATIONS

Flammable and explosion products should be kept away during the application. Protective gloves and masks should be used for hands and eyes during application. The product should be used in well ventilated environments. If the material comes into contact with eyes, it should be washed immediately with sufficient water. Children should be kept away from the product. For more detailed information, ask for the Safety Data Sheet (MSDS).

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