



## **SEMPOXY FIX**

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

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### TECHNICAL DATA SHEET (TDS)

DATE:05.10.2022

REV. DATE: 01.01.2025 REV:02

#### 1 DESCRIPTION

**SEMPOXY FIX**, Two-component, solvent-free, shrinkage-free, moisture tolerant, putty-like and thixotropic epoxy repair and bonding mortar.

#### 2 ADVANTAGES

- Easy to apply.
- Impermeable to water and gas.
- Resistant against chemicals and abrasion.
- Excellent adherence to concrete.
- Does not shrink.
- Solvent free.

#### 5 PACKAGING

3,75 + 1,25 kg in metal buckets.

#### 3 USES

- Bonding of dilatation tapes to concrete,
- Repair and bonding of all kinds of materials such as concrete, stone, marble,
- It is used for bonding materials such as tiles and granite to glossy surfaces.

#### 4 CONSUMPTION

Depending on the concrete surface and dilatation band size, it is 1.00 kg/metre when required for two layers.

#### 6 TECHNICAL SPECIFICATIONS

QUALIFICATIONS	FEATURES	METHODS
Color	Grey	-
Density	1,80 kg/lt	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C
Mixing Ratio	3:1	-
Solid Content	%100	-
Adherence to Concrete	>4 (N/mm <sup>2</sup> )	ASTM D4541
Adherence to Steel	>3,5 (N/mm <sup>2</sup> )	-
Full Curing Time	7 days	-

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#### 7 APPLICATION PROCEDURE

##### Surface Preparations

The application surface must be dry and free from all kinds of dust, dirt, weak and loose particles, cement grout residues, oil and grease. The concrete subfloor must be solid and have sufficient compressive strength (at least 25N/mm<sup>2</sup>) and tensile strength (pull-off) (at least 1,5N/mm<sup>2</sup>). Cannot be thinned with thinner.

##### Mixing :

The product is two-component and it is recommended to mix the amount to be consumed considering the pot life of the mixture. Excess mixtures will become unusable after the pot life expires. After adding component B to component A, it should be mixed with a low speed electric mixer for 2-3 minutes (300rpm) until a homogeneous color is obtained.

##### Application:

Wear rubber gloves and safety goggles to protect your skin and eyes during mixing and application. Do not add any foreign substance and water into the product. Since the product will harden immediately when mixed in extremely hot weather, it should be mixed as much as it will be consumed. Do not apply if the temperature is below +5°C.

#### 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. Childrens should kept away from the product. For more detailed information, ask for the Safety Data Sheet (MSDS).

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<b>CE</b>	
<b>2404</b> <b>Sempoly Yapı Kimyasalları ve Zemin Teknolojileri</b> <b>San. Ve Tic. Ltd. Şti.</b> Adress: İnönü Mah. Güzeller OSB, Galvano San. Sitesi, Cumhuriyet Cad. No:2/12 Gebze/KOCAELİ	
<b>23</b>	
<b>2404-CPR-BK1047</b> <b>DOP NO: SMP-15</b> <b>EN 1504-2:2004</b> <b>SEMPOXY FIX MORTAR</b>	
<b>Surface protection systems Principle 2(MC) 2.2</b> <b>Coatings)</b>	
Water-vapour transmission properties	Class I
Liquid water permeability	0,0791 kg/m <sup>2</sup> .h <sup>0,5</sup>
Bond strength by pull-off	4,13 MPa
Reaction to fire	E
Chemicals dangerous to the environment and health	Complies with 5.4

The technical data and application methods given above are presented as a result of tests and applications carried out within the company. Considering that the conditions depending on the ground, weather conditions and humidity may vary during the application of the products, detailed examination and purposeful applications should be decided after examination by authorized persons in order to understand whether they will meet the special requirements and purposes before each application. The correct application of our products is your sole responsibility and liability. We will provide products with continuity and consistent quality under our general terms of sale and delivery. Users are responsible for compliance with local laws, the environment and obtaining permits from the necessary authorities. The new edition of the technical data sheet supersedes the previous edition. Ask your authorized sales representative for the current edition.