

**GREPOX MORTAR**  
**SOLVENT-FREE EPOXY REPAIR MORTAR**

**DESCRIPTION** : It is a solvent-free epoxy-based 3 component repair filler and installation mortar. It has excellent resistance to chemicals, is resistant to friction and abrasion. The impact resistance is high. It has a high filling ability in large volumes.

**APPLICATION AREA** : Factories, warehouses, shopping malls, workshops, airplane hangars, schools, hospitals, pharmaceutical industry, food industry, laboratories, parking lots, treatment facilities, areas where heavy forklifts and corrosive chemicals are used, in the assembly of bridge carrier plates, machine foundation fastening bolts, crane rail lines It is used as a filling, repair and filling mortar.

**TECHNICAL SPECIFICATIONS**

Number of Component : 3  
Density (mixture) : 2,00 – 2,20 gr/cm<sup>3</sup> 20°C TS EN ISO 2811-1  
Shore D : 90 ASTM D 2240, DIN 53505  
Solid Material (%) : By weight 100  
By volume 100  
Application Thinner : Cannot be thinned.  
Mixture Ratio : A/B/C : 2/1/22 (by weight)  
Pot Life : 40-60 min. /23°C,200 g. (DIN 16945)  
Application Method : Trowel, spatula  
Consumption : It varies according to the volume of the area to be filled on the ground. 2,2 kg is foreseen for 1 mm thickness of 1 m<sup>2</sup> area.  
Drying Time : Surface dry: 4-5 hr. 23°C TS 4317  
Dry to touch: 7-8 hr. 23°C TS 4317  
Complete curing: 7 days 23°C TS 4317

**CHEMICAL STRENGTH TABLE**

<b>CHEMICAL</b>	<b>STRENGTH</b>	<b>(3:Extra strong - 2:Strong - 1:Not strong - tendency)</b>
Sulfuric acid (H <sub>2</sub> SO <sub>4</sub> ) %20	3	
Hydrochloric acid (HCl) %10	3	
Hydrochloric acid (HCl) %20	3	
Nitric acid (HNO <sub>3</sub> ) %10	3-2	
Nitric acid (HNO <sub>3</sub> ) %20	3-2	
Xylene	3	
Ethyl alcohol	2	
Solvents naphtha	2-1	

**NOTES:** The above information has been prepared for professional users by considering laboratory studies and field application studies. It is recommended to consult our Technical Service for organization-specific applications and new design studies. Our company is not responsible for unsuitable conditions and works that are not under our control.

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**TECHNICAL DATA SHEET**

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**MECHANICAL STRENGTH**

<u>Wear Resistance (Taber)</u>	: 115 mg 1000 cycle	EN 1504-6
<u>Tear-off adhesion strength (to concrete)</u>	: >2,0(1,5)b	EN 1504-6
<u>Impact Resistance test</u>	: Class III	EN 1504-6
<u>Capillary water absorption and water permeability</u>	: <0,1 kg\m <sup>2</sup> . h0,5	EN 1504-6
<u>Shore D</u>	: 90±5	ASTM D 2240, DIN 53505
<u>Compressive Strength (7.days) (N/mm<sup>2</sup>)</u>	: 75 ~ 87	DIN 53504 TS 1967

**APPLICATION METHOD:** Weak parts of the application surfaces should be cleaned with milling, sandblasting, or sandpaper. If the surface is too bright, it should be roughened with milling or sandblasting to increase the specific surface. If there is oil on the surface, it should be burned, dirt and dust should be vacuumed. Cleaned surfaces should be primed with GRADA PRIMER S 170. The filling process with GREPOX MORTAR Epoxy repair mortar should be started on the surfaces primed within 8 -24 hours. If the ambient temperature is below 10°C, the application should not be made.

**PACKAGE** : A/B/C: 2/1/22 =25 kg set

**STORAGE INFORMATION** :The package of the product must be closed, and its label information must be complete. The expiration date of the product must be followed according to FIFO (First In First Out) rule. The storage conditions must be dry, cool, and well ventilated. The product must be stored according to the technical safety information and legal obligations. It has a shelf life of 12 months in close storage without moisture at 15–25°C, in its original unopened package.

**HEALTH AND SAFETY** : Please pay attention to the safety signs and warnings on the packet. You should follow the safety and health instructions of the Material Safety Data Sheet (MSDS) that is prepared by the certified technical team, according to international standards. Sufficient air-conditioning must be obtained by the time of application. Mask and gloves must be worn. Do not make direct contact or breath the vapor. Keep the product away from open flame resources.

ISO 9001 : 2015  
ISO 14001 : 2015  
OHSAS 18001

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