

# 545 PROGROUT EPO



## **Epoxy Based High Strength Grout Mortar**

### **PRODUCT DESCRIPTION**

It is an epoxy-based, solvent-free, high-strength, fast-setting, non-shrinking, fluid, general-purpose, three-component grout mortar.

### **FEATURES**

Self-propagating.

Its adhesion strength is quite strong.

It saves time and labor.

Easy to apply, does not cause shrinkage and shrinkage cracks.

Compressive and bending strengths are very good.

It has high abrasion resistance.

It is a product that protects steel reinforcement against corrosion.

It has high alkaline and dilute acid resistance.

It is not affected by salt water.

### **PRODUCT INFORMATION**

Chemical Structure : Solvent-Free Epoxy Resin

Appearance/Color : Liquid-Solid / Sand Color

### **PERFORMANCE**

(23°C, 50% Relative Humidity)

Compressive Strength 28 days 15 N/mm<sup>2</sup> TS EN 196-1

Flexural Strength 28 days 5 N/mm<sup>2</sup> TS EN 196-1

Application time: 20 Min .

Pre-setting time: 24 Hrs

Full Curing Time: 7 Days

These values were obtained as a result of laboratory experiments carried out in our company and are valid for the performance of finished applications at the end of the full drying period. Values may change as temperature and humidity values in the construction site environment and application surfaces and areas will vary.

### **USAGE AREAS**

In fixing steel columns to the foundation,

In the assembly of machine foundations,

In the installation, repair and upgrading of manhole beds,

In concrete repair, repair of concrete floors exposed to traffic,

In the assembly of prefabricated concrete building elements,

In the repair of paving stones,

It is used to repair cracks and fill gaps in concrete floors, and to repair industrial floors.



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### **APPLICATION EQUIPMENT**

Hand mixer - Trowel - Stick .

### **APPLICATION INSTRUCTIONS**

Surface; It must be dry, sound and free of dust. It should be cleaned of residues such as oil, grease, dirt, paint and salt vomit that would prevent adhesion. The surface must be roughened. If there is rust on the metal reinforcement, it should be removed. Formworks must be securely fixed. Tightness should be checked by filling with water. If the application will be made on old concrete, the surface must be moistened before application. Concrete must be saturated with water. Puddles of water should be avoided.

Components A and B are mixed until a homogeneous mixture is obtained. Then, powder component C is added slowly with mixing.

A mold is made where the casting will be made. The mold should be mounted in a way to prevent water leaks. The prepared mixture is applied by pouring. It can be supported with a steel trowel. The mold must be filled from one side without interruption, thus preventing air formation inside the mold. Air bubbles that may form prevent surface contact and weaken adherence. The prepared mortar should be applied without waiting because it sets quickly. The mortar is allowed to settle by tamping it with an iron rod. Due to the expansion feature of the product, it is recommended to complete the process within 3-5 minutes at most in order to benefit from it at the highest level. Expired mortar should be disposed of. It should be kept away from water until cured.

### **LIMITATIONS**

To obtain optimum quality, please adhere to the application instructions. Application should be made between +5 C and +30 C. Application should not be made in hot, rainy and windy weather. Application should not be made on surfaces at risk of frost. The product should be protected from rain, water, frost and negative external factors until it is cured.

### **CONSUMPTION**

2 kg/m<sup>2</sup> for 1 mm thickness.

### **PACKAGING**

A component 3 kg plastic bucket  
B component n 1.5 kg plastic bucket  
C component 15.5 kg plastic bucket  
Total 20 kg set

### **SHELF LIFE**

It is 1 year from the date of production in its original packaging in moisture-free and dry environments (temperature between +5 C and +25 C). The mouth of the containers should be tightly closed when not in use. It should be kept away from moisture.

### **STORAGE CONDITIONS**

It should be stored in its unopened original packaging in a dry, cool and moisture-free environment (temperature between +5 C and +25 C). It should not be left under direct sunlight .



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### SAFETY

Do not breathe the product, use a mask. Avoid contact with skin and eyes. Use protective gloves, glasses and clothing. In case of eye contact, consult a doctor immediately. Keep out of reach of children. In case of skin contact, wash with plenty of water and soap. Do not swallow. For detailed information and recommendations, please refer to the Safety Data Sheet.

### LEGAL NOTES

*Our technical data sheet is DEKOSTAR LTD., which has a wide range of usage areas. ŞTİ. It has been prepared to give general information about the products and to show the technical features of the products, and it is a recommendation and this information is about the correct application ground, air, equipment, etc. It is valid under the conditions and when the products are stored under the recommended conditions.*

*DEKOSTAR LTD. ŞTİ. Since it cannot control the conditions under which its products are used, it does not accept any responsibility for the application result and does not guarantee it. The user of the product must test its suitability before using the product.*

*DEKOSTAR San. will be liable for application errors that may occur if the product is used for purposes other than its intended purpose or if the application conditions and recommendations stated above are not followed. and Tic. Ltd. Ltd. is not responsible and has the right to change the features of its products without notice. Users should always refer to the latest edition of the Product Technical Data Sheet for the relevant product.*



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