



PROGROUT EPO 545

*Epoxy Based High Strength
Grout Mortar*

PRODUCT DESCRIPTION:

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

FEATURES:

It spreads by itself.

Adhesion strength is quite strong.

It saves time and labor.

Easy to apply, does not shrink, shrinkage crack.

Compressive and bending strengths are very good.

Wear resistance is high.

It is a product that protects steel reinforcement against corrosion.

It has high alkali and dilute acid resistance.

It is not affected by salt water.

PRODUCT INFORMATION:

Chemical Base Solvent Free Epoxy Resin

Appearance / Color Sand

PERFORMANCE:

(23°C, 50% RH)

Compressive Strength 28 days ≥ 15 N/mm² TS EN 196-1

Flexural Strength 28 days ≥ 5 N/mm² TS EN 196-1

Application time: 20 min.

Pre-setting time: 24 hours

Full Curing Time: 7 days

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



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USAGE AREAS:

Fixing steel columns to the foundation
Used in the assembly of machine foundations
Installation, repair and upgrade of manhole beds
In concrete repair, in the repair of concrete floors exposed to traffic
In the assembly of prefabricated concrete structural elements
It is used in the repair of paving stones.
It is used for repairing cracks on concrete floors and filling gaps.
It is used in the repair of industrial floors.

APPLICATION INSTRUCTIONS:

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

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

A mold is made at the place where casting will be made. The formwork should be mounted in such a way as to prevent water leaks. The prepared mixture is applied by pouring. It can be supported with a steel trowel. The mold must be filled on one side without interruption, thus preventing the formation of air inside the mold. Air bubbles that may form prevent the surface contact and weaken the adherence. The mortar prepared due to its rapid setting should be applied without waiting. The mortar is set by bottling with an iron rod. Due to the expansion feature of the product, it is recommended to complete the process within 3-5 minutes at the 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.



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LIMITATIONS:

Please obey to the application instructions to obtain optimum quality. The application should be done between +5 C and +30 C. It should not be applied in hot, rainy and windy weather. It should not be applied on surfaces where there is a danger of frost. The product should be protected from rain, water, frost and adverse external factors until it cures (28 days).

CONSUMPTION:

2 kg/m² for 1 mm thickness

PACKAGING:

A+B+C component 20 kg plastic bucket

SHELF LIFE:

It is 1 year from the date of production in its original packaging in dry and non-humid (temperature between +5 C and +25 C) environments. When not in use, the lids of the packages should be tightly closed. It should be kept away from moisture.

STORAGE CONDITIONS:

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

SECURITY:

Do not breathe the product, use a mask. Avoid contact with skin and eyes. Use protective gloves, goggles and clothing. In case of eye contact, seek medical advice 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.

DEKOSTAR San.ve Tic.Ltd. Şti. is not responsible for any application errors that may occur if the product is used for purposes other than its intended use or if the above-mentioned application conditions and recommendations are not followed. Dekostar reserves the right to change its products. Users should consider the latest edition of the Technical Data Sheet of the relevant product.