

510 PROREPAIR PLUS



Cement Based High Strength Thick Structural Repair Mortar (R4 Class)

PRODUCT DESCRIPTION

It is a cement-based, non-shrinkage, thick-grained structural repair mortar with high performance and strength, resistant to sudden temperature changes.

FEATURES

It is used in carrier systems such as columns, beams and curtains.

It is suitable for use in places exposed to high sulphate such as sea water and sewage.

It has high adherence.

It is easy to prepare and apply.

It does not cause shrinkage or shrinkage cracks.

Provides high level of resistance to freeze-thaw cycle.

It is suitable for filling gaps up to 10-50 mm.

PRODUCT INFORMATION

Chemical structure : Cement Based

Appearance/Color : Powder/Gray

PERFORMANCE

(23°C, 50% Relative Humidity)

Void Unit Volume Mass of Fresh Mortar	1650 ± 200 kg/m ³	TS EN 1015-6
Compressive Strength 28 days	50 N/mm ²	TS EN 1015-11
Flexural Strength 28 days	7 N/mm ²	TS EN 1015-11
Water Absorption: (after 30 minutes)	5 gr	TS EN 12808
Water Absorption: (after 240 minutes)	10 gr	TS EN 12808

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. The values may change as the temperature and humidity values in the construction site environment and the application surfaces and areas will vary.

USAGE AREAS

It is used in all kinds of industrial reinforced concrete structures, engineering structures such as subways, highways and dams, in the repair of concrete that comes out after taking the formwork during all kinds of construction, in repair, repair and reinforced concrete reinforcement projects, in the repair of prefabricated elements in columns, beams and rod holes, and in core cavities. It is suitable for use before ceramic and granite coating, in concrete repair before insulation, in filling cracks on surfaces such as aerated concrete and brick, and in filling gaps of 10-50 mm.



BARS KİMYA -Dekostar Yalıtım İnşaat San. ve Tic.Ltd.Şti
Gürsu Yeni Sanayi Alanı Karahıdır Mah. Okul Yolu Üzeri No:78
Gürsu /BURSA TÜRKİYE

Tel : (+90) 850 888 61 00 Whatsapp Gsm : (+90) 516 168 61 01
www.barskimya.com info@barskimya.com

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APPLICATION EQUIPMENT

Hand mixer - Trowel

APPLICATION INSTRUCTIONS

Surface; It must be dry, sound and free of dust. It should be cleaned of any residues such as oil, grease, dirt, paint, salt vomit that would prevent adhesion.

Slowly pour 25 kg of PROREPAIR PLUS into 5-6 liters of water and mix with a low-speed mixer until no lumps remain. The mortar is left to rest for 5-6 minutes to mature. It is mixed again before application.

Mortar should be applied by applying pressure with a steel trowel. If more than one coat is to be applied, at least 4-6 hours should be waited between coats. This period may be shortened in the summer months. If the second floor is to be applied, the surface must be moistened with a sponge. The prepared mortar should be consumed within 1-2 hours, and expired mortar should be disposed of.

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

1.5-2 kg/m² for 1 mm thickness

Max 50 mm thickness can be applied.

PACKAGING

In 5 kg pp bag,

In a 25 kg kraft bag, (64 pieces on a pallet, 1600)

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 +35 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 moisture-free, dry and cool environment (temperature between +5 C and +35 C). It should not be left under direct sunlight.



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SAFETY

Since it is cement based, do not breathe the dust, 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. 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 the suitability of the product before using it.

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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