

GROUT R4

Cement-based, self-compacting, non-shrinking , R4 class structural grout mortar reinforced with special additives.

■ ADVANTAGES

- Easy to apply.
- It settles by itself thanks to its high spreading feature.
- It provides high durability in a short time.
- It provides high abrasion resistance and water impermeability due to its void-free structure.
- Equipment-induced vibration and impact resistance is very high.
- It provides fast opening time with short curing time.
- It has high resistance to thermal changes.

■ SCOPE OF APPLICATION

- It is used in the ground connection gaps of machinery, cranes and steel structures , in prefabricated concrete elements, in areas requiring repair such as columns and beams, in the repair of manholes and similar areas open to heavy pedestrian traffic.

■ WARNINGS AND RECOMMENDATIONS

- Not applicable on metal surfaces.
- Absolutely foreign materials should not be added.
- In outdoor applications , it should not be applied in situations where there is a possibility of rain wind for the first 24 hours after the application
- (+ 5 ° C) - (+ 35 ° C) degrees is recommended.
- All tools used after the application should be washed with water before drying.

■ STORAGE

Packaging	25 kg Kraft Bag
Colour	Grey
Shelf Life	1 year from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment. Packages should be kept tightly closed when not in use.

■ CONSUMPTION

2.1-2.3 kg/m² - 1 mm

■ APPLICATION FEATURES

- 25 kg bag with 3.75-4.25 lt of clean water, with the help of a mixer at low speed, the product is slowly added to the water and for 2-3 minutes until it becomes homogeneous should be mixed. The product should be mixed for 1-2 minutes before application should be heard.
- The prepared mixture should be used within 30 minutes .
- Cement- based building elements with the help of a trowel in the horizontal and vertical directions.
- The application surface must be cleaned of dust and dirt before application.
- Before the application, the area to be repaired should be slightly moistened.
- Single floor max . 80 mm application can be made. For application between coats, min. You should wait 3 hours.

All technical information stated in this product data sheet is based on laboratory tests.
Actual values may vary due to circumstances beyond our control.

İZERSAN YAPI MALZ.SAN VE TİC.LTD.ŞTİ.

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■ TECHNICAL SPECIFICATIONS AND PERFORMANCE VALUES

Product Structure	Cement- based powder
Colour	Grey
Water Mixing Ratio	3.75-4.25 L water / 25 kg
Application Thickness	10-80mm
Full Installation and Service Time	min 24 hours
Mortar Usage Period	Max 30 min
Reference Standard	TS EN 1504-3 / Class R4
Sub-Adhesive Strength	$\geq 2 \text{ N/mm}^2$
Pressure Strength	$\geq 45 \text{ N/mm}^2$
Flexural Strength	$\geq 8 \text{ N/mm}^2$
Soluble Chlorine Content	$\geq 2 \text{ N/ mm}^2$
Waterproofing Capacity (for 3 mm thickness)	$\leq 0.05\%$
Reaction to Fire Class	A1

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures. DRYFIX Insulation is not responsible for the application errors arising from use of product beyond its intended purpose of failure to comply with the forgoing application conditions and advice on the product.

■ SAFETY PRECAUTIONS

During use and storage, appropriate work clothes, glasses, gloves and masks should be used for worker health and safety. Eye, mouth and skin contact should be avoided. The contacted area should be washed with plenty of water. In more dangerous situations or if the product is swallowed, a specialist doctor should be consulted immediately. Food and drink should not be allowed into application areas. It should be kept out of reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

■ LEGAL WARNING

Applications that may occur if the product is used for purposes other than its intended purpose or if the above-mentioned conditions are not complied with: from the mistakes of İzersan Yapı Malz. San. VE TİC. LTD. ŞTİ. is not responsible.

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