



GRT.0071 GROUT 6 SFR

Castable structural, reinforced,
controlled shrinkage shotcrete

Customs Code

3824 5090

Packaging

- Bag 25 kg
- Pallet: 50 x (Bag 25 kg)

Application

- Brick trowel
- Pour out
- Finishing trowel
- Spatula

Family
Grout

Product Lines

- Infratech
- Floor

Type

Structural free-flowing cement mortars

Functional Categories

- Block repair of concrete works with free-flowing mortars
- Construction and maintenance interventions on airport runways and quays
- Roads and municipal maintenance interventions
- Structural maintenance of bridges and viaducts
- Construction of structural subbase screeds
- Wall structure treatments and repair of industrial concrete floors
- Structural precision anchoring

Components

Single-component

Appearance

Powder

Certifications and legislations



EN 1504-3

Products and systems for the protection and repair of concrete structures - Structural and non-structural repair (R4)

General description

GROUT 6 SFR is a high-performance, self-levelling castable mortar, being fibre-reinforced with READYMESH MM-150 steel fibres and 6 mm READYMESH PM-060 polypropylene microfibres, with high flexural strength, great adhesion to concrete and steel, and shrinkage compensation. Aggregates with a maximum size of 6 mm. It is ideal for anchoring road joints, restorations, reinforcements and seismic adjustments, offering ductility for medium-to-high thicknesses (5-20 cm), on structures in reinforced concrete and masonry.

Dosage

Approximately 21,50 kg/m² of GROUT 6 SFR for every centimetre of thickness to be implemented (approximately 2150 kg per cubic metre).

Fields of application

Structural restoration and adjustments, recovery and anchoring of road, motorway, airport joints and critical area joints in general.

Basic features



Highlighted product



Maximum diameter of aggregate:
5 mm



Mix with water:
11 - 14 %



Nonflammable



Pot-life:
60 min



Temperature of use:
+5 / +35 °C



Use wearing protective gloves



UV-resistant



Available colours
Gray / Black

IF YOU WANT TO SOLVE IT


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Technical specifications

Bonding force (UNI EN 1542): > 2.5 N/mm²

Capillary absorption (UNI EN 13057): < 0.40 kg•h^{0.5}/m²

Chloride content (UNI EN 1015-17): < 0.01 %

Compressive strength after 01 day (UNI EN 12190): > 28 N/mm²

Compressive strength after 07 days (UNI EN 12190): > 58 N/mm²

Compressive strength after 28 days (UNI EN 12190): > 75 N/mm²

Density (UNI EN 1015-6): 2250 kg/m³

Flexural strength after 07 days (UNI EN 196/1): > 9 N/mm²

Flexural strength after 28 days (UNI EN 196/1): > 12 N/mm²

Flexural strength at 01 day (UNI EN 196/1): > 5 N/mm²

Pull-out resistance on masonry support, Pull Out (UNI EN 1881) 75 kN: < 0.6 mm

Resistance to carbonatation (UNI EN 13295): dk < cls standard mm²/m

Static elastic modulus (EN 13412): 29 GPa

Thermal compatibility (UNI EN 13687-2): > 2 N/mm²

Tools cleansing

- Water

Applicable on

- Concrete
- Asphalt

Substrate preparation

Application surfaces should be clean, free of soiling, crumbling and non-adhering parts, dust, etc., conveniently saturated with water until they reach the condition "saturated with dry surface". An adequate roughening of the surfaces by scarifying, sandblasting etc. is always necessary in order to obtain the maximum adhesion values to the substrate. The optimal values are obtained with high pressure hydro-scarification. Bare the irons undergoing disruptive oxidation or deeply oxidized, removing the rust of the exposed irons (by sandblasting or abrasive brushes).

Instructions for use

Pour about 2/3 of the mixing water into the mixer, add GROUT 6 SFR and the remaining water; continue to mix until a homogeneous lump-free mixture is obtained. The mixing water should be about 13%-15% by weight (3.5-4.5 litres per bag). Adopt casting procedures capable of ensuring the absence of discontinuities and avoid the formation of air pockets.

For high anchoring sections it is appropriate to add GHIAIETTO 6.10 (please refer to the appropriate technical data sheet for more information).

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



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Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

GROUT 6 SFR is produced/distributed by



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