



Family
Grout

Type
Rapid hardening structural free-flowing cement mortars

Product Lines
• Infratech
• Floor

Functional Categories
• Roads and municipal maintenance interventions
• Structural maintenance of bridges and viaducts
• Structural precision anchoring

Components
Single-component

Appearance
Powder

GRT.0069

GROUT 447 SFR

Reinforced fibre castable mortar
for fast reconstruction operations

Customs Code

3824 5090

Packaging

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

Application

- Brick trowel
- Pour out
- Finishing trowel
- Spatula

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

Castable mortar, reinforced with steel fibres, fast-curing, based on portland cement, special binders, selected siliceous aggregates and specific rheologic agents, for repairs, reconstructions and anchorages for fast re-use, in road works and in concrete, even in severe weather conditions and at low temperatures.








Dosage

Approximately 21,50 kg/m² of GROUT 447 SFR for every centimetre of thickness to be implemented (approximately 2150 kg per cubic metre).

Fields of application

Repairs, reconstructions and anchorages for fast re-use, in road works and in concrete, even in severe weather conditions and at low temperatures. Quick anchoring of metal partitions and elements, grouts, equipment installation, street manhole covers, etc.

Basic features

| | |
|--|--|
|  Maximum diameter of aggregate: 5 mm |  Min. recommended thickness: 2 cm |
|  Nonflammable |  Pot-life: 8 - 10 min |
|  Quick setting product |  Shelf-life: 12 months |
|  Temperature of use: +3 / +25 °C |  Use wearing protective gloves |
|  UV-resistant |  Available colours Gray / Black |

Technical specifications

Resistenza a compressione dopo 24 ore (EN 12190): > 40 N/mm²

Capillary absorption: 0.5 kg/(m² • h^{0.5})

Chloride content: < 0.01 %

Compressive strength after 28 days (EN 12190): > 90 N/mm²

Density (UNI EN 1015-6): 2375 kg/m³

Flexural strength (EN 196/1): 7 N/mm²

Flexural strength after 28 days (EN 196/1): > 13 N/mm²

Flexural strength at 01 day (EN 196/1): > 6 N/mm²

Resistance to carbonatation (EN 13295): > CLS _

Static elastic modulus (EN 13412): 33.000 N/mm²

IF YOU WANT TO SOLVE IT
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Tools cleansing

- Water

Applicable on

- Concrete
- Asphalt

Substrate preparation

The surfaces should be clean and free of any soiling, crumbling and non-adhering parts, dust, salt efflorescence, milt of cement etc., free of oils, greases, properly hardened and compact. 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

Given the peculiarities of the product, it is advisable to adjust the mixing water as required from time to time, taking care not to make the product too fluid. Pour about 15% of water on the weight of the bag in the mixer, gradually add the product and the water still required, until the desired consistency is obtained. Continue to mix until a homogenous lump-free mixture is obtained.

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.



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.

The mortar should be laid within the specified time of workability, which may change depending on the temperature.

GROUT 447 SFR is produced/distributed by



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