



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)



Floor - Prodotti per pavimenti e massetti in calcestruzzo

Product of the Floor line, the line of products from Azichem Srl dedicated to the main, complementary products and accessories for the construction, restoration and/or renovation of concrete floors and screeds.

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:
5 cm |
|  Nonflammable |  Pot-life:
8 - 10 min |
|  Shelf-life:
12 months |  Temperature of use:
+3 / +25 °C |
|  Use wearing protective gloves |  UV-resistant |
|  Available colours
Gray | |

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

IF YOU WANT TO SOLVE IT


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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
Thermal compatibility: > 2 MPa

Tools cleansing

- Water

Applicable on

- Concrete
- Asphalt

Instructions for use

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.

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

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

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



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GROUT 447 SFR is produced/distributed by



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