



Family  
**Grout**

Type  
**Structural free-flowing cement mortars**

Product Lines  
• **Infratech**

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**
- **Structural precision anchoring**

Components  
**Single-component**

Appearance  
**Powder**

GRT.0067

## GROUT 2

Rheoplastic, structural, anti-shrinkage mortar, for precision anchorage

### Customs Code

3824 5090

### Dosage

1900 kg /m<sup>3</sup>

### Packaging

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

### Application

- Pour out

## Certifications and legislations



### EN 998-1

Specification for Mortar for Masonry - General purpose rendering/plastering mortar (GP)



### EN 1504-6

Products and systems for the protection and repair of concrete structures - Anchoring of reinforcing steel bar



### EN 1504-3

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

## General description

Anti-shrinkage, rheoplastic, castable mortar, for precision anchorage of operating machines, turbines, rolling mills, bridge cranes, etc. Based on cement binders, super-lubricants meeting agents, compounds-resistant mortar, specific polymers, selected aggregates, superpozzolanic reactive fillers.

## General features

For the realisation of road joints, in works with high motor vehicle traffic, GROUT 2 can be added with 25 kg/m<sup>3</sup> (300 gr/25 kg bag) of READYMESH M1-220 steel fibres and 1 kg/m<sup>3</sup> (10 gr/bag) of READYMESH PM-060 polypropylene fibres.









## Fields of application

Precision anchorage of operating machines: presses, turbines, power supplies, rolling mills, alternators, bridge cranes, metal structures, tracks, etc. Structural adjustments, restorations, drawing and armouring, through injections or castings poured in caisson. Realisation of connecting anchorages through steel bars with diameter and depth consistent with design specifications, through casting in perforations provided for this purpose. Construction of structural road joints.

## Available colours

- Gray

## Basic features

- |  |   |
|--|---|
|  Max. recommended thickness:<br>15 cm |  Maximum diameter of aggregate:<br>2 mm |
|  Min. recommended thickness:<br>2 cm  |  Mix with water:<br>14 %                |
|  Pot-life:<br>30 min                  |  Shelf-life:<br>12 months               |
|  Temperature of use:<br>+5 / +35 °C   |  UV-resistant                           |

## Technical specifications

Bonding force (UNI EN 1015-12): 2.32 N/mm<sup>2</sup>



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Capillary absorption (UNI EN 13057):  $0.45 \text{ kg} \cdot \text{h}^{0.5} / \text{m}^2$

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

Compressive strength (EN 12190):  $> 75 \text{ N/mm}^2$

Darcy impermeability:  $10^{-10} \text{ cm/s}$

Density (UNI EN 1015-6):  $1900 \text{ kg/m}^3$

Determination of thermal compatibility (EN 13687-1 - A/B):  $2.0 \text{ N/mm}^2$

Flexural strength (EN 12190):  $> 10 \text{ N/mm}^2$

Reaction to fire (EN 13501-1): A1 \_

Resistance to carbonatation (EN 13259): 1 mm

Skid resistance (EN 13036-4 - CS III): 68 mm

Static elastic modulus (EN 13412):  $30000 \text{ N/mm}^2$

Water/binder ratio: 0.35 \_

## Tools cleansing

- Water

## Applicable on

- Concrete
- Prefabricated concrete
- Mixed walls (bricks and stones)
- Rusty reinforcement rods

## 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".

## Instructions for use

Insert 2/3 (approximately 2.5 litres per bag) of the total mixing water in the cement mixer, then gradually add the product and the remaining water, mix until a homogeneous lump-free mixture of the desired consistency is obtained.

For high anchoring sections GHIAIETTO 6.10 should be added (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.



## Additional adhesion parametres

- Adhesion to smooth iron:  $>4.5 \text{ N/mm}^2$
- Adhesion to iron with improved adherence :  $>35 \text{ N/mm}^2$



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## 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.

Given the self-levelling properties of the product and its self-compacting properties, it is recommended to pay special attention to the vibration step. A excessive zeal in the vibration operation can worsen the aesthetic appearance of the resulting product.

Do not use in the absence of adequate lateral confinement.

Cure the protection and the moist hardening of exposed surfaces.

Adopt casting procedures capable of ensuring the absence of gaps and discontinuities, pouring the mortar from a single part of the casting perimetre to avoid air pockets.

*GROUT 2 is produced/distributed by*



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