



GRT.0070

## GROUT 6

Castable, rheoplastic, structural, controlled shrinkage grout mortar

### ✘ Customs Code

3816 0000

### ⚖ Dosage

1950 kg /m<sup>3</sup>

### 📦 Packaging

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

### 🔧 Application

- Pour out

Family  
Grout

Product Lines

- Building
- Infratech

Components  
Single-component

Type  
Structural free-flowing cement mortars

Functional Categories

- Block repair of concrete works with free-flowing mortars
- Roads and municipal maintenance interventions
- Structural maintenance of dams, reservoirs, ducts and water ducts
- Structural maintenance of bridges and viaducts
- Structural maintenance of tunnels
- Structural precision anchoring

Appearance  
Powder

## Certifications and legislations



**EN 998-1**

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



**EN 1504-3**

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

## General description

Rheoplastic controlled shrinkage cement screed, with superfluid consistency, based on high-resistance cements, polymeric modifiers, shrinkage resistant agents, anti-allergic additives, selected siliceous aggregates.

## Fields of application

Structural restoration, dimensional adjustments, reinforcements, high dimension anchorages, drawing and armouring works, etc., by pumped or poured casting installation. Realisation of structural road joints.

## Available colours

- Gray

## Basic features

↔ Max. recommended thickness:  
30 cm

⊗ Maximum diameter of aggregate:  
6 mm

↔ Min. recommended thickness:  
6 cm

⊗ Mix with water:  
10-12 %

🕒 Pot-life:  
60 min

🕒 Shelf-life:  
12 months

🌡 Temperature of use:  
+5 / +35 °C

## Technical specifications

Bonding force (UNI EN 1542):  $\geq 2$  N/mm<sup>2</sup>

Capillary absorption (UNI EN 13057): 0.49 kg•h<sup>0.5</sup>/m<sup>2</sup>

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

CLS adhesion (cutting test): > 5 MPa

Compressive strength (UNI EN 1015-11): > 70 N/mm<sup>2</sup>

Density (UNI EN 1015-6): 2190 kg/m<sup>3</sup>

Determination of thermal compatibility (UNI EN 13687-1):  $\geq 2$  mPa

Flexural strength (UNI EN 1015-11): > 7.5 N/mm<sup>2</sup>

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

Resistance to carbonatation (UNI EN 13295): 0.5 mm

Resistance to the extraction of the steel bars with improved adhesion: > 30 MPa



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## 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.



## 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 6 is produced/distributed by*



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