



GRT.0073

GROUT CABLE

Superfluid, reinforcing,
injectable cement grout

Customs Code

3824 5090

Packaging

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

Application

- Pour out
- Injection

Family
Grout

Product Lines

- Infratech
- Opus
- Floor

Components
Single-component

Type

Fluid grouts and micro mortars with a cement base

Functional Categories

- **Structural strengthening of masonry in historic buildings**
- **Roads and municipal maintenance interventions**
- **Structural maintenance of tunnels**

Appearance

Powder

Certifications and legislations



EN 1504-6

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



EN 998-2

Masonry mortars - Masonry mortar for general purposes (G)



M70

EN 998-2

General description

Superfluid, injectable, ultra-high flowability and stability cement grout, moderately expansive in the plastic phase, for fixings, anchorages, wall reinforcements, fillings, post-tensioning sheathing fills etc., based on high-resistance cements, specific agents, superpozzolanic reactive fillers. EXEMPT FROM AGGREGATES.

General features

The mixing water requirement of GROUT CABLE, extremely reduced, is close to the permanently, chemically and physically set quantity, from the cement (stoichiometric water); there ensue exceptional characteristics in terms of stability and performance that are further increased by a peculiar anti-shrinkage action in the plastic phase and from the superpozzolanic reactivity that distinguishes the product.

Dosage

Approximately 1700 kg of GROUT CABLE for each cubic metre of volume to be filled.

Fields of application

Reinforcing and anchoring injections in galleries, hydraulic, industrial, marine, underground works; filling of containment sheaths, post-tensioned cable structures, padding, fissured concrete or mixed masonry works.

Basic features



Mix with water:
33 - 35 %



Nonflammable



Pot-life:
30-45 min



Shelf-life:
12 months



Temperature of use:
+5/+35 °C



UV-resistant



Available colours
Gray

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Technical specifications

Bonding force (UNI EN 1015-12) : > 3 N/mm²

Capillary absorption (UNI EN 13057): $0.25 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$

Chloride content (UNI EN 1542): 0.0029 %

Compressive strength after 01 day (UNI EN 1015-11): $> 15 \text{ N}/\text{mm}^2$

Compressive strength after 07 days (UNI EN 1015-11): $> 60 \text{ N}/\text{mm}^2$

Compressive strength after 28 days (UNI EN 1015-11): $> 70 \text{ N}/\text{mm}^2$

Darcy impermeability: 10^{-10} cm/s

Density: $2000 \text{ kg}/\text{m}^3$

Flexural strength after 07 days (UNI EN 1015-11): $> 8.0 \text{ N}/\text{mm}^2$

Flexural strength after 28 days (UNI EN 1015-11): $> 9.5 \text{ N}/\text{mm}^2$

Flexural strength at 01 day (UNI EN 1015-11): $> 4.5 \text{ N}/\text{mm}^2$

No bleeding according to UNI 8998

pH: > 12 _

Tools cleansing

- Water

Applicable on

- Concrete
- Prefabricated concrete
- Mixed walls (bricks and stones)
- Stone walls

Substrate preparation

Application surfaces should be clean, free of dirt, crumbling and non-adhering parts, dust etc., and saturated with water "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, gradually add GROUT CABLE and the remaining water until a fluid and homogeneous mixture is obtained. Reinforcing backfills and fills can be carried out both by gravity and using manual or automatic pumps, depending on the type of application.

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.



The physical mechanical data derive from tests carried out with addition water percentages of 34%.



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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.

It is not advisable to use the product for reinforcing injections of vintage masonry made before 1900, since the risk of undesirable reactions with some internal masonry components (gypsum minerals) would cause the formation of "ettringite" and "thaumasite", deleterious for reinforcement as they are strongly expansive. In these cases, use SANAFLENS or FLUID CABLE added to hydraulic lime as an alternative.

GROUT CABLE is produced/distributed by



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