



GRT.0075

GROUT MICRO-J

Micomortar anti-shrinkage
rheoplastic, castable, injectable

Customs Code

3824 5090

Packaging

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

Application

- Pour out
- Injection
- Pump

Family
Grout

Product Lines

- Building
- 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
- Fastening and anchoring metallic connectors, inserts and frames
- Roads and municipal maintenance interventions
- Structural maintenance of dams, reservoirs, ducts and water ducts
- Structural maintenance of tunnels
- Structural precision anchoring

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 1504-3

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



EN 998-2

Masonry mortars - Masonry mortar for general purposes (G)



M80

EN 998-2

General description

An anti-shrinkage, pourable, self-levelling, super-adhesive micro-mortar, based on high-strength cements, super-pozzolanic fillers, polymeric stabilisers and anti-shrinkage agents. Aggregates with a maximum size of 0.35 mm. Ideal for consolidating and reinforcing injections on concrete, masonry and cracked/damaged rock. Anchors and fastens steel bars, pins, brackets and so on, to concrete, masonry and rock.

Dosage

Approximately 1700 kg of GROUT MICRO-J for every cubic metre of mixture to be made.

Fields of application

Injections of reinforcement and reinforcement of concrete, masonry, rock works etc. Anchoring and fixing of ties, electrowelded steel mesh, beam ends for construction joints etc. Sealing of post-tensioning sheathing. Creation of filling paddings in the spaces between conduits and excavation holes.

Basic features



Maximum diameter of aggregate:
0.35 mm



Pot-life:
60 min



Shelf-life:
12 months



Temperature of use:
+5 / +35 °C



Available colours
Gray

Technical specifications

Bonding force (UNI EN 1015-12): > 2.5 N/mm²

Capillary absorption (UNI EN 13057): 0.08 kg/(m² • h^{0.5})

IF YOU WANT TO SOLVE IT


www.azichem.com

Updated: 18/02/2022
General sales conditions and legal
notices on
www.azichem.com/disclaimer

Chloride content (UNI EN 1542): 0.002 %

Compressive strength after 01 day (UNI EN 1015-11): > 35 N/mm²

Compressive strength after 07 days (UNI EN 1015-11): > 65 N/mm²

Compressive strength after 28 days (UNI EN 1015-11): > 80 N/mm²

Darcy impermeability: 10⁻¹⁰ cm/s

Density (UNI EN 1015-6): 2250 kg/m³

Flexural strength after 07 days (UNI EN 1015-11): > 11 N/mm²

Flexural strength after 28 days (UNI EN 1015-11): > 13 N/mm²

Flexural strength at 01 day (UNI EN 1015-11): > 8 N/mm²

No bleeding according to UNI 8998

pH: >12 _

Resistance to the extraction of the steel bars with improved
adhesion (UNI 1881): < 0.6 mm

Static elastic modulus (EN 13142): 25000 N/mm²

Tools cleansing

- Water

Applicable on

- Concrete
- Mixed walls (bricks and stones)
- Stone walls
- GFRP
- Calcestruzzo armato

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". 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 2/3 of the total mixing water into the mixer, gradually add the product and, subsequently, the remaining water, mixing until a homogeneous mixture of the desired consistency is obtained. GROUT MICRO J can be mixed with different consistencies, from plastic to self-leveling pourable. With 12-13% of water (3.0 - 3.25 liters / 25 kg bag) plastic consistencies are obtained, with 13-14% (3.25-3.5 liters / 25 kg bag) consistencies castable, with 14-15% (3.5-3.75 l / 25 kg bag) self-leveling fluid consistencies. Small-volume doughs can be mixed with a double / triple helicoid whisk equipped with a speed regulator. Put in place by injection or pouring within 60 '30' of packaging. If the temperature, at the time of application, is between 0 and 5 ° C, the development of mechanical strength will be slower. It is recommended, with cold temperatures, to use lukewarm mixing water between 20 ÷ 30 ° C. If the temperature, at the time of application, is between 30 and 35 ° C, it is advisable to use mixing water at a low temperature (5 ÷ 10 ° C) and to apply the product in the coolest hours of the day (indicatively morning or evening).

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.



www.azichem.com

Updated: **18/02/2022**
General sales conditions and legal
notices on
www.azichem.com/disclaimer



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.

GROUT MICRO-J is produced/distributed by



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398



www.azichem.com

Updated: **18/02/2022**
General sales conditions and legal
notices on
www.azichem.com/disclaimer