Floor Q

Structural, fibre reinforced fluid mortar for very low thickness screeds

This rheoplastic, composite cementitious grout with controlled-shrinkage and super-fluid consistency is fibre-reinforced with a special mix of glass and polypropylene fibres, having a base of high-strength cements, polymeric modifiers, anti-shrinkage agents, super-pozzolanic reactive fillers and selected siliceous aggregates. Ideal for restoring the thickness of concrete removed by milling, of old concrete flooring (with a reconstruction thickness from 15 mm to 40 mm), along with dimensional adjustments, structural reintegration and so on.

CUSTOMS CODE: 3824 5090
COMPONENTS: Single-component
APPEARANCE: Powder
AVAILABLE COLORS: Gray
PACKAGING AND DIMENSIONS: Bag 25 kg

OBTAINED CERTIFICATIONS AND REGULATIONS

CE EN 13813 | CE R4 EN 1504-3 | C60 F7 EN 13813 | UNI PdR 88 Certificato n°CRS104

FIELDS OF APPLICATION

Repair and cladding industrial concrete floors, structural restoration, dimensional adjustments, increases in the resistant section, reconstruction of the thickness of the concrete removed by milling, etc.

ALLOWED SUPPORTS

Concrete - Floor screed

PREPARATION OF SUPPORTS

The surfaces of application should be clean and free of any soiling, crumbling and non-adhering parts, dust, etc., saturated with water. In the case of surfaces to be rebuilt after milling, the areas of reconstruction will have to be in as regular a shape as possible (as similar to a square as possible); the thickness should be as homogeneous as possible; finally the section of the pre-existing flooring to be filled should be reminiscent of the shape of a trapezium which widens toward the bottom (this is in order to anchor the "patch" perfectly in the seat of reconstruction and to avoid its detachment, given the slightly expansive properties of the product).

MODE OF USE

It is necessary to provide a suitable bonding bridge between the part to be reconstructed and the reconstruction material. There are 2 alternative ways of doing this: - Roll out the specific epoxy primer on the prepared surface, using a roller or a brush, for structural construction joints Syntech RGS. - Prepare adequate additional reinforcement, parallel to the bottom of the reconstruction, consisting of electrowelded mesh (2 mm wire, 5x5 cm mesh) at a distance from the bottom of half the thickness, attached to the bottom itself by "L"-shaped steel bars, with improved adhesion and a diameter of 8 mm, inserted in holes and secured by expansive cement micro-mortar Grout Micro-J or polyester resin in a two-compartment extrudable cartridge PROFIX. For the preparation of the mortar insert 2/3 of the total mix water in the mixer, gradually add the product and the remaining water, until you obtain a uniform mix of the desired consistency. Pour the mixture prepared in the seat of reconstruction, prop it up and level it until it is perfectly smooth.

APPLICATION METHODS

Pour out - Brick trowel - Finishing trowel - Spatula - Straight edge

TOOL CLEANING

Water

KEY FEATURES

- Highlighted product
- Maximum diameter of aggregate: 5 mm
- Mix with water: 11-13 %
- Pot-life: 60 min
- Temperature of use: +5 / +35 °C
- Max. recommended thickness: 50 mm
- Min. recommended thickness: 20 mm
- Nonflammable
- Shelf-life: 12 months
- UV-resistant

TECHNICAL SPECIFICATIONS

UNI EN 1015-11
Compressive strength after 1 day **> 40 N/mm²**

UNI EN 1015-11
Compressive strength after 28 days **> 85 N/mm²**

UNI EN 1015-11
Flexural strength after 7 days **> 10 N/mm²**

UNI EN 13892-3
Wear resistance **6.5 cm³/50cm²**

UNI PdR 88:2020
By-product recycled material content **≥ 1.6 %**

UNI EN 13057
Capillary absorption **0.36 kg•h^0.5/m²**

UNI EN 1015-12
Bonding force **2.0 N/mm²**

UNI EN 1015-11
Compressive strength after 7 days **> 75 N/mm²**

UNI EN 1015-11
Flexural strength at 1 day **> 6 N/mm²**

UNI EN 1015-11
Flexural strength after 28 days **> 10 N/mm²**

EN 13412
Static elastic modulus **28000 N/mm²**

UNI EN 1015-6
Density **2300 kg/m³**

UNI EN 12390-8
Water penetration under pressure (5 bar for 72 hours) **< 5 mm**

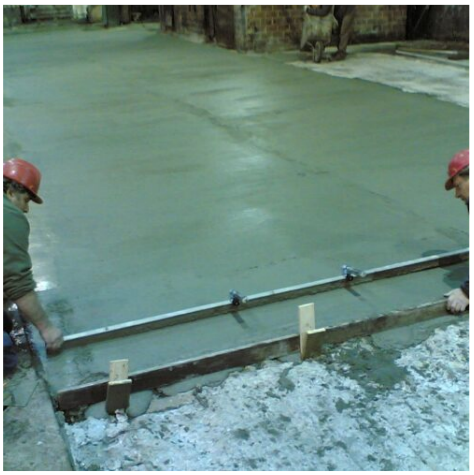
CONSUMPTION

Approximately 21 kg/m² of Floor Q for every centimetre of thickness to be implemented (approximately 2100 kg per cubic metre).

STORAGE AND CONSERVATION

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.

PHOTO GALLERY


ADDITIONAL CONTENT

WARNINGS AND PRECAUTIONS

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.