

# Grout Fill

## Castable cement micromortar, for paving in natural stone



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 filling joints (gaps and/or interstices) in urban paving made of porphyry or stone slabs, even of large dimensions. For filling cracks and lesions on concrete and masonry structures.

**CUSTOMS CODE:** 3824 5090

**COMPONENTS:** Single-component

**APPEARANCE:** Powder

**AVAILABLE COLORS:** Gray

**PACKAGING AND DIMENSIONS:** Bag 25 kg - Pallet: 50 x (Bag 25 kg)

## FEATURES AND BENEFITS

Grout Fill achieves fluid and hyperfluid workability even with very low water / cement ratios ( $<0.4$ ), thus resulting perfectly homogeneous, pourable, self-leveling and without water exudation phenomena. The very fine granulometry of the aggregates allows the perfect filling of spaces and particularly narrow discontinuities ( $<0.5$  cm). The capillary absorption of the applied micro-mortar is very low, allowing great resistance to freeze-thaw cycles and washout. Grout Fill achieves extremely high mechanical performance and is rich in microsilicates with pozzolanic activity and special additives that make it extremely durable even if positioned in particularly aggressive environments (due to contamination by chlorides, sulphates, marine atmospheres, fuels and automotive oils).

## FIELDS OF APPLICATION

Filling the joints (vanishing points) in urban floorings in porphyry, stone slabs etc., in new installations and in the reinforcement of existing installations. Anchorages and rigid seals in general.

## ALLOWED SUPPORTS

Concrete - Floor screed - Asphalt - Porphyry and natural stones

## PREPARATION OF SUPPORTS

Remove the soilings, the crumbling and non-adhering parts and saturate beforehand with water.

## MODE OF USE

Pour about 2/3 of the required mixture water in the mixer (about 3.5 -4 litres total per bag); gradually add the product and the water still required to get the desired consistency. Continue mixing until you obtain a homogeneous, lump-free mortar. Pour the compound thus obtained in the vanishing points to be filled.



## APPLICATION METHODS

Pour out

## TOOL CLEANING

Water

## KEY FEATURES



Maximum diameter of aggregate: 0.50 mm



Shelf-life: 12 months



Pot-life: 60 min



Temperature of use: +5/+35 °C

## TECHNICAL SPECIFICATIONS

*UNI EN 12190*

Compressive strength after 1 day > **28 N/mm<sup>2</sup>**

*UNI EN 12190*

Compressive strength after 28 days > **85 N/mm<sup>2</sup>**

*UNI EN 196/1*

Flexural strength after 7 days > **11 N/mm<sup>2</sup>**

*UNI EN 1542*

Chloride content **0.002 %**

*UNI EN 1015-12*

Bonding force > **2.5 N/mm<sup>2</sup>**

Thermal conductivity **0.68 W/mK**

No bleeding according to UNI 8998

*UNI EN 12190*

Compressive strength after 7 days > **70 N/mm<sup>2</sup>**

*UNI EN 196/1*

Flexural strength at 1 day > **7 N/mm<sup>2</sup>**

*UNI EN 196/1*

Flexural strength after 28 days > **12 N/mm<sup>2</sup>**

pH > **12**

Darcy impermeability **10<sup>-10</sup> cm/s**

*UNI EN 1015-6*

Density **2250 kg/m<sup>3</sup>**

*UNI EN 13057*

Capillary absorption **0.08**

## CONSUMPTION

Approximately 1800 kg of Grout Fill for each cubic metre of volume to be filled.

## 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.



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## PHOTO GALLERY



## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

Do not apply in the presence of stagnant water and direct solar irradiation, in anticipation of atmospheric precipitation and/or sudden drops in temperature.

Treat the hardening and the damp protection fresh mortar placed on site. 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.

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It is forbidden to dispose of the product and/or packaging in the environment.



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