KREISEL

TECHNICAL DATA SHEET

QUICK-SETTING SELF LEVELING GROUT 417

Express self-levelling grout

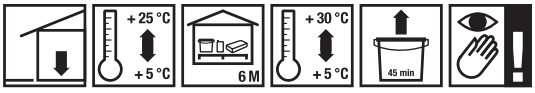
Areas of application

The mortar is intended for making self-levelling floor bases manually inside rooms. The product is manufactured on the basis of low-emission raw materials, with reduced CO2 emissions by up to 20%. It is characterized by quick-setting and a wide scope of use. It is a very universal product because it can be applied in thick layers. It can be used for leveling surfaces of new and modernized floors and other elements (eg stairs of internal stairs) in housing and general, especially in public facilities such as: hospitals, health centers, kindergartens, nurseries, etc. Suitable for laying on rigid and load-bearing anhydrite, cement and concrete foundations, etc. Used as a leveling layer for ceramic tiles, synthetic floor coverings, panels, parquet floors, etc. The product can be used for levelling floor substrates with previously installed underfloor heating.

Properties

- Contains reinforcing fibers
- Further work after 18 hours
- Under tiles, panels, carpets
- On floors with underfloor heating
- Environmentally friendly
- Indoor use
- Fast-binding
- Easy to apply

Application procedure



Technical data

Item number	39628
Packaging	
Quantity per unit	25 kg/unit
Unit per pallet	48 unit/Pal.
Consumption	approx. 1,5 kg/m²/mm
Water requirement	approx. 5,6 L/unit
Compressive strength	≥ 20 MPa (28 d)
Pressure resistance	≥ 6 MPa (28 d)
Possibilities to enter	3 h
Suitable for floor cover	18 h
Chromium content	≤ 0,0002 %

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Item number	39628
Mortar class	CT-C20-F6
Coating thickness	2-50 mm
Processing time	45 min

Material base

- Reinforcing fibres
- Mineral fillers
- Portland cement

Application conditions

In the case of using the screed on substrates with underfloor heating, they should be subjected to heating in advance in accordance with the construction practice.
Apply in temperatures from +5 °C do +25 °C. These temperatures apply to air, groundwork and product temperature. All groundworks should be load-bearing, tight, stable, cleared and, if necessary, primed with EXPERT 6 or GRUNTOLIT-W 301. Prime poor-quality groundworks with EXPERT 5 – deep-penetration primer. Smooth substrates that require increased adhesion are recommended to be primed with GRUNT CONTACT 307. Before pouring out the grout, expansion joints in the groundwork must be properly secured as to ensure they are not filled with grout. Insulation expansion joints must be executed as to separate the grout from the wals and other elements, applying dedicated expansion tape, or Styrofoam panels preferably 10mm thick.

Surface

Repair slits and larger cracks of a bed e.g. using 428 levelling mortar. Concrete beds must be at least 6 months old, and cement screeds - at least 4 weeks old and moisture cannot be higher than 2%.
Concrete, reinforced concrete: Prime with CONTACT GRUNT 307
Cement screed: Prime with GRUNTOLIT-W 301 or EXPERT 6
Terrazzo: Degrease, clean, and execute a contact layer made of elastic tile adhesive or prime CONTACT GRUNT 307.

Preparation

The dry mixture should be gradually poured into a container containing the appropriate amount of clean, cool water, while stirring manually or mechanically using a slow-speed mixer, until a homogeneous mass free of lumps is obtained. Set aside for a maturing time of 5 minutes and mix thoroughly again. If there is a need to use a part of the packaging, the entire dry compound must be carefully stirred because during transport components could be separated. Do not mix the hardened grouting mixture again.

Application procedure

Pour out to the desired level, deair with a spiked roller. In the case of layers >2 cm, it is recommended to level the grout with a metal bar, with vibration movements on the poured surface. Before starting work, determine the level to which the screed will be poured. The level of the screed can be determined by using special benchmarks or benchmarks made by themselves from the wire or by using embedded dowels with screws in the ground, the heads of which determine the level of the layer being made. In existing expansion joints, expansion joints should be made in the poured leveling and smoothing layer. It is recommended to start work at the wall furthest from the entrance to the room and lead with 40 cm wide strips. In the case of rooms with a large width, it is recommended to separate smaller working fields (with a width of 3-6 m, depending on the speed of pouring the mass). After pouring, the mass should be spread with a steel trowel and bled with a spiked roller. The work should be carried out without interruption until the entire floor area in the room is covered.

Instructions

The product is not suitable for use as a floating floor or on a separating layer. Freshly laid mass must be protected against premature drying by reducing heating, protected

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against direct sunshine, draughts, too low moisture of air etc. Such conditions must be maintained also during performance of the works. (Unstable surface layers must be removed. Repair slits and larger cracks of bed.) Familiarize with the product data sheet before use. Avoid contact with skin and protect eyes. Detailed guidelines are included in the material safety data sheet. Further tiling works can be performed after 18 hours of drying of the screed. This applies to a layer up to 1 cm thick. In the case of a thicker layer of screed, additional drying time should be 1 day for each additional centimeter of the product. These data do not apply to parquet laying, where the drying time depends on the layer thickness, temperature and air humidity and should be checked individually in each case.

Storage

Up to 6 months from the date of manufacture, in dry areas and in non-damaged factory packaging.

General information

This product data sheet replaces all its previous versions.The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions.The product shall be applied in accordance with required technical knowledge and OHS rules.Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing.
All technical data listed in this product specification has been determined under laboratory conditions.

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