Technical Data Sheet

weber.fug 875 F

Ceramic and natural stone grout with crystal effect

Water- and dirt-repellent narrow grout (1 – 6 mm) for optical high demands (CG2 WA)

Fields of application

Specially developed for narrow joints of 1 - 6 mm, also in case of natural stone slabs.
It is a high-quality grout for grouting wall and floor ceramic tiles, porcelain stoneware, stoneware, mosaic, glass and metal tiles, concrete stone slabs (for ex. terrazzo), natural stone slabs, artificial stones and cement-based tiles.
This flexible grout stands out by a high abrasion resistance and a reduced water absorption (class CG2).
Furthermore it is characterized by a smooth processing and easy washability, which enable fast and efficient grouting works for optically demanding coverings.
For use indoors and outdoors.

Description

weber.fug 875 F is a flexible grout for narrow joints of **class CG2 WA** (“cement-based grout with improved water absorption and abrasion resistance”) according to EN 13888.

Composition

High-quality cement, selected fillers, lightfast pigments

Main features

- **EMICODE EC 1**: low emission of volatile substances
- **class CG 2 WA**: **CG:** cement-based grout – 2 WA: low water absorption (W) and high abrasion resistance (A)
- for joint width from 1 mm up to 6 mm
- best suited for poorly absorbent coverings
- suitable on heated floor constructions
- also convenient for balconies and terraces
- excellent adhesion to joint sides

- quartz sand free (except black)
- excellent filling grade and wash-off properties
- rapid washing
- light-fast
- frost-resistant
- fine surface structure
- available in 15 colours
- for walls and floors
- for use indoors and outdoors

Technical values

Application temperature:	+5°C - +30°C
Pot life:	approx. 25 minutes, depending on joint porosity
Open to foot traffic:	approx. 3 hours
Open to mechanical loads:	approx. 3 days
Compressive strength after dry storage/ freeze thaw cycling:	≥ 15 N/mm^2
Pull-off strength after dry storage/ freeze thaw cycling:	≥ 2.5 N/mm^2
Abrasion resistance:	≤ 1000 mm^3
Shrinkage:	≤ 3 mm/m
Water absorption after 30 minutes:	≤ 2 g
Water absorption after 240 minutes:	≤ 5 g
Temperature resistance:	-20°C - +70°C
Chromate content:	low content (EC regulation 1907/2006)

Quality control

weber.fug 875 F is subject to a regular quality control by self-monitoring according to EN 13888.

General notes

- **Limits of use:** do not use **weber.fug 875 F** in areas permanently under water, like swimming pools, hydrotherapy baths, water tanks, fountains etc.; in these cases, use the high-strength cement-based grout (CG2 WA) for areas subject to high loads **weber.fug 873** or the epoxy resin adhesive and grout **weber.xerm 848**. Furthermore, the product cannot be used for earthenware, terracotta and split tiles; in these cases, use a specific **Weber** grout, depending on material to be laid and joint width. Request technical advice.
- All characteristics mentioned in this data sheet are based on a temperature of +23°C without draught and a relative humidity rate of 50%.
- High temperatures and low humidity rates accelerate, low temperatures and high humidity rates delay the setting process.
- Substrates with different porosity, type of material to be laid and joint sides can lead to colour differences once the grout has completely set.
- Mortar residues can accumulate on tiles with micro-porous (for ex. Lappato), porous, textured (rough) or matt glazed surfaces; if in doubt, carry out a test on a trial area to ascertain if discoloration is likely. If necessary, pre-wet the surfaces in order to prevent discoloration.
- For grouting natural stones and resin-bound slabs (“engineered stones”) follow the supplier’s recommendations; if in doubt, carry out a test on a trial area.
- Corner joints, connection joints to installed components and pipe ducts must be closed with an elastomeric silicone-based joint sealant, like **weber.fug 880**, **881** or **883** in accordance with the job site requirements.
- Type and appearance of material to be laid might have an influence on the final colouring of the grout; if necessary, carry out a test on a trial area.
- Do not use material that has already stiffened.

Special notes

- Do not use highly-acid cleaning agents or high-pressure/steam jet cleaners on the grouted surfaces.
- Wait for 14 days before using conventional household cleaners.
- In outdoor areas discoloration, washout and efflorescence due to environmental factors cannot be ruled out.
- The grouting of cement-based tiles is only possible on impregnated surfaces.

Substrate preparation

- The joint network must be dry, free of tile adhesive residues and all adhesion-impairing particles.
- If necessary, scrape out the joints before the tile adhesive hardens, so that a continuous and uniform joint cross-section is achieved throughout.
- Allow the mortar to dry out and harden prior to grouting; otherwise colour differences may occur in the joints after complete hardening.
- Pre-wet highly and differently absorbent coverings using a sponge and clean water in order to achieve a more uniform drying out and setting of the grout.
- Do not grout areas with a varying surface temperature, e.g due to warm water heating pipes or sunlight.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- Pour clean water in a suitable mixing vessel and add the powder. Mix the bag content (5 kg) with approx. 1.0 - 1.2 liter of water, using an electric drill and an appropriate stirrer (for ex. **weber.sys Rührpaddel** no. 1 or no. 8, depending on packaging size) until lump-free.
- If required, stir up the mortar again with a trowel or a slow-speed drill without adding more water.
- All mixtures must always be processed with the same specified amount of water in order to avoid colour differences.

Application

- Work **weber.fug 875 F** into the joints flush and deep with a hard rubber float, for ex. **weber.sys Epoxidharzfugbrett** on walls and floors.
- After a few minutes apply a very small quantity of the grout. Smooth down the surface with soft diagonal movements and remove excess material.
- Check with finger whether the mortar has stiffened and thus is ready for washing. For an easier cleaning pre-wet the stiffened grout with some water. Afterwards the mortar is “compacted” with a latex sponge or a felt float; subsequently rinse the surface with clean water.
- In case of low-porosity coverings, like glass mosaic or porcelain stoneware, a longer waiting time prior to cleaning is necessary.
- After the mortar has started to set, wipe away any eventual dried mortar haze with a slightly damp sponge in a new washing operation.
- The joints should be kept sufficiently moist in unfavourable climatic conditions, so as to avoid “burning” of the joint surface.

Practical information

Colours:
Bahama beige, black, cement grey, caramel, cotto brown, dark grey, edelweiss, Havanna brown, ivory, light grey, manhattan, medium grey, nut brown, pergamon, silver grey

Water demand:
approx. 1.0 - 1.2 liter / 5 kg

Tools:
Electric drill + stirrer **weber.sys Rührpaddel** no. 1 or no. 8, hard rubber float **weber.sys Epoxid-harzfugbrett**, latex sponge or felt float, sponge

Storage:
The product can be stored at least 6 months (paper bag) and at least 9 months (plastified bag) in its original unopened packaging, if kept dry and protected from moisture.

Consumption

Tiles 15 x 15 cm:	approx. 0.5 kg/m²
Tiles 15 x 20 cm:	approx. 0.45 kg/m²
Tiles 10 x 10 cm:	approx. 0.6 kg/m²
Tiles 30 x 30 cm:	approx. 0.4 kg/m²
Tiles 60 x 60 cm:	approx. 0.2 kg/m²

Packagings

Type	Sales unit	Number / euro-pallet	Remarks
Plastified bag	5 kg	192 bags	4 bags in shrink foil
Paper bag	15 kg	64 bags	only silver grey

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.

Saint-Gobain Weber GmbH
Schanzenstr. 84, D-40549 Düsseldorf
Contact: export.de.weber@saint-gobain.com