

weber.fug 877

Flexible grout

Water-repellent multi-use grout for all common wall and floor tiles with joint width 2 - 20 mm (CG2 WA)

Fields of application

As multi-use and flexible grout for use indoors and outdoors, in damp areas, wet-duty areas, (shower facilities, balconies/terraces), areas permanently under water (water tanks, fountains etc.) and heated screeds.

For following coverings: wall and floor ceramic tiles, mosaic, stoneware brick slips, porcelain stoneware, stoneware, earthenware, split tiles and deformation-resistant artificial stone slabs.

For use indoors and outdoors.

Description

weber.fug 877 is a flexible grout of class **CG 2 WA** ("cement-based grout with improved water absorption and abrasion resistance") according to EN 13888.

Composition

High-grade cement, selected fillers, lightfast pigments

Main features

- **EMICODE EC 1 PLUS:** very low emission of volatile substances
- **class CG 2 WA:** CG: cement-based grout – 2 WA: low water absorption (W) and high abrasion resistance (A)
- certified by Det Norske Veritas for use on American cruise ships
- for narrow and wide joints (width 2 - 20 mm)
- quickly open to pedestrian traffic
- excellent adhesion to joint sides
- watertight
- resistant to frost and thaw cycling
- high filling grade

- comfortable processing properties
- for walls and floors
- suitable for heated floor constructions
- for use indoors and outdoors

Technical values

Application temperature:	+5°C - +30°C
Pot life:	approx. 30 minutes
Open to foot traffic:	approx. 2 hours
Open to mechanical loads:	approx. 3 days
Open to full service:	approx. 7 days
Temperature resistance:	-20°C - +70°C
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
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 877 is subject to a regular quality control by self-monitoring according to EN 13888.

General notes

- **Limits of use:** do not use **weber.fug 877** for grouting natural stones, resin-bound artificial slabs (“engineered stones”) and materials with sensitive surface; in these cases, use the ceramic and natural stone grout with crystal effect **weber.fug 875 F**. Follow the supplier’s recommendations; if in doubt, carry out a test on a trial area.
- **weber.fug 877** can be used in areas permanently under water such as water tanks, fountains etc., but not in drinking water tanks and swimming pools; in these cases, use the high-strength

cement-based grout **weber.fug 873** or the epoxy resin binder mixed with sand **weber.fug 878**.

- 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.
- 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.
- In case of use in permanently immersed areas, a corrosion on the cement-based grout should be anticipated if the water is too soft. Therefore, the water must contain a minimum content of calcium carbonate per liter (hardness scale – in Germany scale of 5° - 20°). Comply with the national standards and/or guidelines relating to the grade of local water hardness; if not issued, request technical advice.
- A declaration of conformity for marine applications can be found under: <https://www.de.weber/weber-marine-produkte>.

Substrate preparation

- The joint network must be dry, free of tile adhesive residues and 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 materials using a sponge and clean water in order to achieve a more uniform drying out and setting of the grout.
- 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 (15 kg) with approx. 2.8- 3.1 liters of water, depending on the desired consistency and colour, 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 877** 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 mortar.
- 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.
- 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:

anthracite, cement grey, medium grey, silver grey

Water demand:

approx. 2.8 - 3.1 liters /15 kg

Tools:

Electric drill + stirrer **weber.sys Rührpaddel** no. 1 or no. 2, hard rubber float **weber.sys Epoxid-harzflugbrett**, 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

Split tiles 24 x 11.5 cm:	approx. 2.3 kg/m ²
Tiles 20 x 20 cm:	approx. 0.7 kg/m ²
Mosaic 5 x 5 cm:	approx. 1.3 kg/m ²

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	

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.