

Rapid Grout Mortar

codex Brillant Flex

Flexible, water-repellent grout mortar for joint width from 3 – 15 mm

Description:

Rapid-setting universal grout mortar for stress-absorbing grouting work in ceramic tiling to walls and floors in interior and exterior locations.

Suitable for / on:

- ▶ large and small format tiling, stoneware, fine stoneware, natural- and artificial- stone
- ▶ natural-, concrete- and artificial- stone not prone to discoloration
- ▶ glass construction blocks
- ▶ clinker and rendered brickwork, as well as small-, medium- and glass-mosaics
- ▶ facades
- ▶ balconies and terraces
- ▶ transport buildings such as tunnels, stations, etc.
- ▶ areas with heavy exposure to wetting and temperature changes, e.g. in domestic, commercial and industrial locations
- ▶ underfloor heating

Product Properties / Benefits:

codex Brillant Flex is a hydraulic rapid-setting grout mortar that hardens to a crack-free, flexible, water-repellent and frost-resistant finish.



Composition: Cement, mineral aggregates, re-dispersible polymer powder and additives.

- ▶ For joint widths from 3 – 15 mm
- ▶ Rapid-setting and flexible
- ▶ Easy to apply and quick to wash off
- ▶ High adhesion to tile edges
- ▶ Water-repellent, resistant to frost and thawing salts
- ▶ Fully sealed, impervious joint finish
- ▶ Low chromate content

Technical Data:

Packaging:	paper sack
Packsize:	5 kg and 12.5 kg
Shelf life:	9 months in cool, dry storage
Colour:	grey
Mixing water:	approx. 2.5 litres per 12.5 kg sack approx. 1 litre per 5 kg bag part quantities: 1 kg powder + approx. 200 ml water
Working temperature:	5 °C to 25 °C / 41 °F to 77 °F
Working time:	approx. 20 minutes*
Set to foot traffic:	after 2 – 3 hours*
Load bearing:	after 24 hours*
Final strength:	after approx. 28 days

*At 23 °C/73 °F and 50 % relative humidity.

Surface Preparation:

Whilst still fresh scrape out any bedding mortar residues from the joint to a consistent depth. Then thoroughly clean the tiling. With thin-bed mortar installations, the correct timing for grout work varies according to the thin-bed mortar used. For thick-bed installations, only grout when the bedding mortar is fully hardened and adequately dry.

Refer to the Product Data Sheets for the codex products used.

Application:

1. Put approx. 2.5 litres of cold, clean water into a clean bucket and sprinkle in the sack contents (12.5 kg) whilst stirring vigorously (for the 5 kg bag, use approx. 1 litre of water) and mix to a smooth, lump-free mortar. Only mix as much material as can be used within 15 minutes.
2. Leave to stand for approx. 3 minutes. Then mix thoroughly once again.
3. Apply the grout mortar with a rubber trowel or squeegee or a grouting board to the full depth of the joint and flush with the surface, drawing diagonally across the joints. Repeat as necessary.
4. Immediately after the grout mortar has set (finger test), clean off the tiling with a sponge or sponge-board (always use clean water). Equalise the grout finish and remove residual streaks of mortar. Wash out the sponge frequently. Where possible, was diagonally across the joints.
5. After further drying (until matt), clean off again with a damp sponge and remove all residual streaks of mortar. Wash out the sponge frequently and squeeze out well.

Consumption:

Tile size in mm	Joint width in mm	Joint depth in mm	Consumption in kg/m ²	Coverage per 5 kg bag in m ²	Coverage per 12.5 kg sack in m ²
100 x 100	3	4	0.5	10	25
200 x 200	4	5	0.4	12.5	31
300 x 300	5	7	0.5	12	25
118 x 244	6	6	0.9	5.5	14

*Variation in water quantity, working methods and edge-formation will change the consumption values.

Important Notes:

- ▶ Shelf life approx. 9 months in original packaging when stored in dry conditions. Carefully and tightly reseal opened packaging and use the contents as quickly as possible.
- ▶ Optimum working conditions are 5°C/41°F to 25°C/77°F. Low temperatures delay, whilst high temperatures accelerate the setting.
- ▶ Protect freshly laid surfaces from draughts, direct sunlight and sources of heat.
- ▶ For swimming-pools and areas with high exposure to chemicals and acids, use codex products according to the current codex Product Guide.
- ▶ Variation in absorbency of the tiles, as well as different humidity during setting, affects the colour constancy of the grout mortar.
- ▶ To avoid colour variations in the grout mortar on one project, use mortar from one production batch where possible.
- ▶ Clean tiling with rough or unglazed surfaces as soon as possible after grouting to avoid setting of the mortar residues. If necessary, test-wash the tiles before grouting or lay a test area.
- ▶ The following standards, regulations and notices are applicable and especially recommended:
 - DIN 18 352 "Working with large and small format tiling"
 - DIN 18 157 "Installation of ceramic tiles using the thin-bed method"
 - ZDB publications:
 - "Large and small format tile flooring outside of buildings"
 - "Movement joints in large and small format tile claddings and coverings"
 - "Large and small format ceramic tiling, natural and artificial stone on heated floor constructions"

Protection of the Workplace and the Environment:

Contains cement low in chromate acc. Directive 2003/53/EC. Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse immediately with water. In the event of skin or eye irritation, seek medical advice. When mixing wear a protective dust-mask. Use protective gloves. Presents no physiological or ecological risk when fully cured.

Disposal:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty paper bags are recyclable. Collect waste material, mix with water and allow to harden, then dispose as Construction Waste.