

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:	6 months in cool, dry storage
Colour:	grey, silver grey, anthracite
Mixing water:	approx. 2.5 litres per 12.5 kg sack approx. 1 litre per 5 kg bag <b>part quantities:</b> 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.

**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 <sup>2</sup>	Coverage per 5 kg bag in m <sup>2</sup>	Coverage per 12.5 kg sack in m <sup>2</sup>
100 x 100	3	4	0.5	9.65	44.12
200 x 200	4	5	0.4	11.57	28.94
300 x 300	5	7	0.5	9.92	24.80
118 x 244	6	6	0.9	5.36	13.40

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

**Important Notes:**

- ▶ Shelf life 6 months. Store in cool and dry conditions. Carefully and tightly reseal opened containers and use as quickly as possible.
- ▶ For areas with high exposure to chemicals and acids, use codex products according to the current Product Guide.
- ▶ Pre-wet highly absorbent tiles before grouting or use a suitable grouting medium (joint pre-treatment).
- ▶ Variation in absorbency, inconsistent exposure to moisture and different grout depths (e.g. substructures, mortar-bed) affect the hydration of the grout mortar. These can result in colour differences in the grout finish which do not detract from the quality of the mortar and which, with favourable ambient conditions, will become increasingly more consistent.
- ▶ On porous materials and sensitive surfaces, a test should be carried out in an inconspicuous area.
- ▶ To avoid colour variations in the grout mortar on one project, use mortar from one production batch where possible; apply dark grouts with special care as some colour variation is possible with each application.
- ▶ Heat and dry conditions will shorten, whilst cold conditions will lengthen the setting time. In winter, heat the job site; in summer, store material in cool conditions and use only cold water. Avoid sources of direct heat.
- ▶ Use water to clean tools and contaminated tiling whilst still fresh.

**Protection of the Workplace and the Environment:**

Irritant. Contains cement which produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse thoroughly and immediately with water. In the event of skin or eye irritation, consult a doctor. When mixing wear a protective dust-mask. Use protective gloves. Presents no physiological or ecological risk when fully cured.

**Disposal:**

Dispose of empty packaging according to local regulations. Collect waste material, mix with water and allow to harden, then dispose as Construction Waste.