

Rapid colour grout mortar

CODEX BRILLANT CRISTAL

Rapid, flexible coloured grout mortar with crystalline water retention for tiles and natural stone coverings

APPLICATIONS

For the jointing of natural stone floor covering, all ceramic floor coverings and glass mosaic sensitive and not sensitive to discolouration. Because of the crystalline water retention efflorescence and edge discolouration of coarse-crystalline bright natural stones is prevented. Can be used for joint widths from 1 to 10 mm on wall and floor surfaces; for interior and exterior use. Also suitable on underfloor heating. codex Brillant Cristal meets the requirements CG2 WA according to EN 13888.

LEED: Meets the LEED requirements in IEQ Credit (4.1) Low Emitting Materials (LEED v4)

SUITABLE FOR USE ON

- ▶ Natural stone such as granite, marble
- ▶ Jura, Solnhofen plates
- ▶ Artificial and concrete stones
- ▶ Stoneware, fine stoneware
- ▶ Glass mosaic, glass tiles
- ▶ Bathroom and shower areas
- ▶ Private and commercial use
- ▶ Coverings on underfloor heating

AVAILABLE COLORS



PRODUCT BENEFITS/FEATURES

- ▶ For joint widths from 1 to 10 mm
- ▶ Crystalline water retention
- ▶ Water and dirt repellent
- ▶ Provides smooth, fine joint surfaces
- ▶ High colour resistance
- ▶ Waterproof and frost-resistant

TECHNICAL SPECIFICATIONS

Pack type	foil bag
Pack size	5 kg
Shelf life	24 months
Joint width	1 to 10 mm
Minimum working temperature	+ 5 to + 25 °C
Ideal working temperatures	+ 15 to + 25 °C
Water quantity required	1.2 - 1.3 litres/ 5 kg 0.24 - 0.26 litres/ 1 kg
Working Time/ Pot Life	approx. 30 minutes*
Set to foot traffic	after approx. 4 hours*
Resilient	after approx. 12 hours*
Final strength	after approx. 7 days*
Consumption	0.3 - 1.3 kg/m ²

*At 23 °C and 50 % relative humidity.



SUBSTRATE PREPARATION

The joint flanks must be dry, clean and free from materials that would impair adhesion.

Scrape mortar residues uniformly deep from the joints while fresh. Following this, clean the surface thoroughly. Joint tiles installed in the thin bed after sufficient drying time of the thin-bed mortar. Observe the installation / application directions of the floor covering manufacturers.

Because of the partially strong colouration trial jointing should be performed with open-cell floor covering material (including micro pores) as well as with sensitive surfaces such as coated glass mosaic, coated profiles or similar) or critical unknown flooring materials. Use a suitable jointing aid, if necessary.

Refer to the product data sheets for other codex products used.

APPLICATION

1. Pour cold, clean water into a clean bucket. Sprinkle powder into the water whilst stirring vigorously until a homogeneous mortar has been obtained. Mix once more after a short maturing time. Do not mix more material than can be worked within the pot life.
2. Apply grout mortar with a joint trowel flush with the surface in the joint and pull off that the joints are completely filled. If necessary, add a subsequent slurry mix. Allow as little grout as possible to lie on the surface of the covering.
3. After the grout mortar has set (finger test) clean the tile covering with a wet sponge or sponge board diagonally toward the joint. Always use clean water and replace several times, if necessary. Rinse sponge frequently and squeeze well. Use as little washing water as possible and do not leave a water film or pooling on the joints.
4. Do not stir or mix material that has already set with water or powder. Clean tools and soiled ceramics with water while fresh.

IMPORTANT NOTES

- ▶ Store in a cool and dry place. Carefully and tightly re-seal opened packaging and use the contents quickly.
- ▶ Lower temperatures delay whilst higher temperatures accelerate setting.
- ▶ With mildly or non-absorbing floor coverings, such as dust pressed vitrified tile, the setting time between jointing and washing may delay. Preferably use codex Brilliant Cristal for these coverings.
- ▶ Because of the partially strong colouration trial jointing should be performed with open-cell floor covering material (even micro pores).
- ▶ Perform trial jointing for sensitive surfaces, such as coated glass mosaic, coated profiles or similar.
- ▶ Protect freshly installed areas from draughts, direct sunlight and sources of heat.
- ▶ For swimming pools use codex products from the respective current codex product guide.

- ▶ Use codex products according to the current codex product guide for areas with increased chemical or acid exposure.
- ▶ Different absorption behaviours of the floor covering as well as varying humidity levels, e.g. from the substrate or the installation mortar, during setting may affect the shade of the grout mortar.
- ▶ Obtain technical advice for joints widths over 8 mm.
- ▶ Grout mortar from the same batch should be processed to prevent colour variations of the grout mortars on a property.
- ▶ Floor coverings with rough, unglazed or open-pored surfaces should be cleaned rather quickly after jointing to prevent the attachment of mortar films. The washability of the floor covering may be checked prior to jointing or a trial surface can be created.
- ▶ The following apply as well, amongst others, or are recommended for special consideration:
 - DIN 18 352 „Tile and slab work“
 - DIN 18 157 „Ceramic work in thin bed processes“
 - ZDB Bulletins:
 - „Movement joints“
 - „Exterior floor coverings“
 - „Coverings on cementitious screed – heated“
 - „Coverings on cementitious screed – unheated“
 - „Coverings on calcium sulphate heated screed“

SEALS OF QUALITY & ECOLABELS

- ▶ Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- ▶ EMICODE EC 1 PLUS / Very low-emission

CONSUMPTION

Special cements, mineral aggregates, redispersible polymers and additives.

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

Contains cement low in chromate acc. Regulation (EC) No. 1907/ 2006 (REACH). 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. Use protective gloves. When mixing wear a protective dust-mask. Presents no physiological or ecological risk when fully cured.

DISPOSAL

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