Product Datasheet

High-strength cement grout mortar

CODEX RESIST

Rapid setting cement grout mortar for floor coverings with high mechanical loads and joint widths from 2 to 20 mm

APPLICATIONS

High-strength special grout mortar for jointing ceramic coverings with high mechanical loads in industrial, commercial and private areas, e.g. from high-pressure cleaners. Can be used on wall and floor coverings in interior and exterior areas.

codex Resist meets the increased requirements of class CG 2 according to DIN EN 13 888 after just 1 day.

It also meets the minimum requirements for reaction resin grout mortar regarding abrasion and compressive strength. Resistant to freeze-thaw cycles with de-icing salt according to DIN EN 1339 (Annex D).

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

SUITABLE FOR

- Earthenware, stoneware, fine stoneware
- Glazed vitrified tile and glass mosaic
- Natural stone coverings instensitive to discolouration
- Clinker and facade masonry
- Mechanically highly loaded areas
- Traffic structures, such as tunnels, railway stations, etc.
- Washrooms and workshops
- Coverings with de-icing salt load
- Balconies, terraces and facades
- Shower and wellness areas
- Swimming pool
- Commercial kitchens, chiller warehouses

AVAILABLE COLORS

cement grey | concrete | anthracite

PRODUCT BENEFITS/FEATURES

- Quick strength development
- Easy to wash in and quick to wash
- Rapid setting even at low temperatures
- Resistance to wear and high pressure cleaning
- Water-repelling and anti-fungal
- Resistant to frost and de-icing salt
- Temperature resistant up to 250 °C

TECHNICAL SPECIFICATIONS

Pack type	paper bag
Pack size	12.5 kg
Shelf life	12 months
Joint width	2 to 20 mm
Minimum working temperature	+ 5 to 30 °C
Water quantity required	approx. 2 litres/ 12,5 kg approx. 0.16 litres/ kg
Working Time/ Pot Life	approx. 35 minutes*
Set to foot traffic	after approx. 3 hours*
Full mechanical resilience	after approx. 7 days* (high-pressure cleaner)
Resilient	after approx. 16 hours*
Final strength	after approx. 28 days*
Consumption	0.3 - 1.3 kg/m²

*At 23 °C and 50 % relative humidity.

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SUBSTRATE PREPARATION

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

Scrape mortar residues uniformly deep from the joints while fresh. Then clean the floor covering thoroughly. Joint coverings installed in the thin bed after sufficient drying time of the thin-bed mortar. Joint floor coverings installed in the thick bed only after the complete setting and drying of the mortar bed. Observe the installation / processing 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.

Depending on the load, check suitability using the resistance list.

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

APPLICATION

1. Pour cold, clean water into a clean container, stir in powder and mix with a suitable agitator to a plastic, lump-free mortar. Allow to mature for approx. 3 minutes. Now stir well once more.
2. Apply grout mortar deeply and flush at the surface into the joint using a rubber jointing disk or joint board. Add more plaster slurry, if necessary. Allow as little as possible grout mortar to lie on the surface of the floor covering. Mortar that has already stiffened must no longer be stirred or mixed with water.
3. After the grout mortar has set (finger test), clean the tile covering with a wet sponge or sponge board. Always use clean water and replace several times, if necessary. Rinse sponge frequently and squeeze well.
4. Clean tool with water immediately after use.

IMPORTANT NOTES

- Store in a cool and dry place. Carefully and tightly reseal opened packaging and use the contents as quickly as possible.
- Best processed at + 5 °C to + 25 °C. Lower temperatures delay whilst higher temperatures accelerate setting.
- Protect freshly installed areas from draughts, direct sunlight and sources of heat.
- Colour samples and proofs are for orientation only and not binding. Differences in moisture content during during hardening may affect the joint appearance. A liability claim cannot be asserted for the reasons mentioned. We therefore recommend performing trial jointing.
- 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 (consultation).
- For swimming pools and areas with high exposure to chemicals or acids, use codex products according to the current codex product guide or seek technical advice.
- Different absorption behaviours of the covering as well as different moisture content during setting may influence the shade of the grout mortar, possibly resulting colour constancy of the grout mortar.
- Grout mortar from the same batch should be processed to prevent colour variations of the grout mortars on a property.
- Coverings with rough or unglazed 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.
- Cementitious joints are not acid-resistant. Acid cleaners (e.g. with acetic acid or citric acid) may therefore permanently damage the joints. Use therefore only neutral or slightly alkaline cleaners.
- Observe the cleaning recommendations and specifications for the joint and the covering and, if necessary, perform trial cleaning at a hidden location.
- 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:
    - “Cementitious joints”
    - “Movement joints in covering and flooring from tiles and slabs”

SEALS OF QUALITY & ECOLABELS

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

CONSTITUENTS

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.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this datasheet invalidates all previous Information. The respective updated version of this datasheet can be found on our website: www.codex-x.com | 01/2022