Konusit KK 20

Acid-resistant, mineral-based joint mortar for waste water industry

Product properties

- Two-component, cement-free, mineral-based polymer-silicate joint mortar
- Very high chemical resistance to numerous acids (but not hydrofluoric acid) and solvents in the range of pH 0 to pH 8
- Impermeable to liquids
- Environmentally friendly and easy to apply
- Very good adhesion to joint-flanks
- Odourless

Areas of application

- Acid resistant jointing of stoneware tiles, stoneware straps and floor clinker slabs in interior areas
- Acid-resistant jointing of masonry in interior and exterior areas
- Jointing of horizontal and vertical joints up to 15 mm width and 10-25 mm depth

Application

Substrate Preparation
The joints must be free from any tile adhesives, mortars, mould release agents or dirt. The setting mortar must be completely dried out before application of Konusit KK 20.

Mixing
See technical data table on page 2 for mixing ratio.
The powder component is added to the liquid component and mixed with a slowly rotating mixer (400 rpm) until homogeneous and lump-free. Mixing takes at least 3-5 minutes. Already hardening or hardened material must not be used anymore.

Application
Tools or mixing equipment with adherent cement residues are not suitable for application of Konusit KK 20!
Konusit KK 20 is applied deep into the joints, using a joint iron or an epoxy board. For jointing of tiles it must be observed that only as much joints are filled as can be cleaned without problem. The freshly jointed surface must only be cleaned after slight setting of Konusit KK 20. The joints are washed and formed with only little water and a soft or medium-hard fleece sponge. The tiles are cleaned with a soft, slightly moist hydro-sponge.

Konusit KK 20 must be prevented from drying and protected from direct sunlight and wind exposure.

Curing
Addition of water, cement, aggregates or pigments is not permitted.
Residues of the joint mortar could set in very porous surfaces. We recommend to apply a sample area in advance.

Safety Advice
The general rules of conduct for safe handling and application of alkaline materials must be followed. Protective clothes, gloves and goggles must be worn during application. The safety advice given on the packs and safety data sheets must be observed.

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Technical Data for Konusit KK 20

Characteristic	Unit	Value	Comments
Fresh mortar density	kg/dm³	approx. 2.2	
Mixing ratio	p.b.w.	100 9 - 11	Konusit KK 20 (25 kg) Konusit KK 20 F (2.3 - 2.75 kg / 1.6 - 1.9 l)
Application conditions	°C % K	≥ 8 - ≤ 30 ≤ 85 3	material, air and substrate temperature relative humidity above dew point
Pot life	minutes	approx. 45 at 20 °C	depending on temperature
Coverage	kg/mm/m²	approx. 2.0 approx. 0.2	Konusit KK 20 (powder) (100 p.b.w.) Konusit KK 20 F (liquid) (10 p.b.w.)
Time until final removal of residues	hours	approx. 12 - 24	with suitable cleaning agent and swab, afterwards the surface must be washed with potable water

Product Characteristics for Konusit KK 20

Colour	grey
Equipment cleaning	With water, before setting of material
Delivery	Konusit KK 20: 25 kg bag Konusit KK 20 F: 30 kg canister
Storage	Can be stored in original sealed packages at temperatures between + 8 °C and + 20 °C in dry conditions for at least 12 months. Protect from frost! The same requirements are valid for transport.
Disposal	Packs must be emptied completely.

* All technical data relate to + 23 °C and 50 % relative humidity.

High temperatures shorten while low temperatures extend all indicated periods.
Please take notice of the safety information and advice given on the packaging labels and safety information leaflets.

Edition 12/10. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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