Product Datasheet

1-C flex sealing compound

CODEX AX 230

Flexible 1-component composite seals for use under ceramic floor coverings

APPLICATIONS

One-component dispersion cement sealing compound for the production of crack-bridging sealing in composite. For damp and wetness-exposed components before installing ceramic tiles and slabs, natural and concrete stone on walls and floors, interior and exterior areas. Due to its high flexibility, the sealing layer reduces tension.

For load class A and B in areas regulated by building authorities, with general test certificate by building authorities (abP) in accordance with the testing principles for sealing compounds to be processed in liquid condition in combination with tiles and slab coverings.

Suitable for water impact classes W0-I, W1-I, W2-I, W3-I according to DIN 18534, waterproofing for interior rooms (for load classes A and A0 in accordance with Building Rules List as well as ZDB bulletin). W1-B, W2-B according to DIN 18535 Waterproofing of tanks and pools (for load classes B in accordance with ZDB bulletin). DIN 18531-5 Waterproofing of balconies and walkways (for load classes B0 in accordance with ZDB bulletin).

Meets the requirements CM O1 P according to DIN EN 14891.

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

PRODUCT BENEFITS/FEATURES

- One-component
- Flexible and crack-bridging
- Reinforced with fibres
- Waterproof and allowing water vapour diffusion
- Resistant to frost and ageing
- With general test certificate by building authorities

SUITABLE FOR USE ON

- Balconies and patios with a slope > 1.5%
- Swimming pools and their surrounding area
- Showers, saunas and therapy pools
- Interior waterproofing of service water tanks
- Residential and commercial areas

SUITABLE ON

- Dense and smooth substrates as bonding and contact layer
- Cement and calcium sulphate screeds, concrete
- Concrete, masonry, porous concrete
- Plaster (MG II & III), dry-construction panels
- Underfloor heating

TECHNICAL SPECIFICATIONS

Pack type	paper bag
Pack size	15 kg
Shelf life	6 months
Color	brown-grey
Ideal working temperatures	+ 5 up to + 25 °C
Water quantity required	3.75 - 4.5 litres/ 15 kg 0.25 - 0.3 litres/ kg
Working Time/ Pot Life	approx. 1 hour*
Minimum dry coat thickness	2 mm
Drying time 1st coat	approx. 2 hours*
Drying time 2nd coat	approx. 2 hours*
Set to foot traffic	after approx. 4 hours*
Ready for covering	after approx. 4 hours*
Consumption	2.2 - 2.5 kg/m²

*At 23 °C and 50% relative humidity

GEV-EMICODE EC 1 PLUS very low emission

CE

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CODEX AX 230

SUBSTRATE PREPARATION

Test the substrate in accordance with applicable standards and notices and report any deficiencies. In order to test the suitability of the substrate for the intended load classes, the requirements of the ZDB data sheet "Composite seals", of DIN 18 531, DIN 18 534 and DIN 18 535 must be observed.

The substrate must be firm, dry, flat, free of cracks, clean, load-bearing and free of materials that could affect adhesive strength.

Depending on the water impact class, moisture-sensitive substrates (W0-I and W1-I) may be used or moisture-insensitive substrates (W2-I and W3-I) are required.

Mechanically prepare smooth concrete surfaces, adhesion-reducing or weak layers and clean dust-free, if necessary. Prepare substrate according to type and properties with suitable primers and levelling compounds from the codex range of products. Recesses, e.g. blow holes, open cutting butt and grouting joints, chips, must be closed or covered with suitable materials. Flow screeds must be ground, vacuumed and primed. Allow primers to always dry completely. Wet cementitious, highly absorbent substrates matt damp or prime first with codex AX 230 priming slurry.

The suitable codex sealing tapes, sealing corners and sealing collars must be selected depending on the water impact class / load class.

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

APPLICATION

1. Provide clean water in a clean bucket, cast in content of bag while stirring vigorously and mix to a smooth, lump-free mortar.
2. Depending on the water impact class, the codex components listed in the test certificate must be installed.
3. Follow this by spreading codex AX230 in at least two layers with a wet thickness of min. 1.2 mm each generously onto the substrate. For example, apply with a tooth profile and level the ridge into a closed layer. The minimum dry film thickness of 2 mm is achieved with 2 coats of 1.2 mm wet film thickness each (= 1 mm dry film thickness). codex AX230 can also be spread in several coats with the mason's brush.
4. After the last sealing coat has fully dried the tiles or slabs can be installed with codex thin-bed mortar which are mentioned in the test certificates.
5. Clean tools with water while residues are fresh. Cured material can be removed only mechanically.

IMPORTANT NOTES

- Store in a cool and dry place. Carefully and tightly reseal opened packaging and use the contents as quickly as possible.
- Do not process at < + 5 °C and > + 25 °C.
- Cold and high humidity prolong the setting and drying times, while heat, dryness and absorbent substrates shorten them. Protect freshly applied material approx. 24 hours against heavy rain, frost and direct exposure to light.
- Ensure full bedding when installing the tile and slab covering in combination on the sealing. Use appropriate application technique for this purpose.
- Statically stable overall construction design must be ensured for swimming pools and water tanks.
- Obtain application consulting for areas with increased exposure to chemicals and acids as well as on wood or chipboard panels, metal and plastics.
- 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"
  - DIN 18 195 "Waterproofing of buildings"
- ZDB bulletins:
  - "Composite seals"
  - "Floor coverings from tiles and slabs outside of buildings"
- BEB bulletin:
  - "Assessment and preparation of substrates".

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.

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