

Liquid Sealing

CODEX AX 10

Flexible, ready-to-use composite sealant under ceramic coverings in interior areas

APPLICATIONS

Very low-emission, ready-to-use, highly resilient dispersion sealer for the protection of components subject to moisture and wetness of non-pressing water prior to installation of ceramic tiles and plates, natural and artificial stone on interior walls and floors.

For load class A in areas (wall surfaces) 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.

For moisture load class A0 (wall and floor surfaces) in accordance with ZDB bulletin.

Recommended for water impact classes W0-I, W1-I, W2-I (wall) according to DIN 18534.

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

SUITABLE FOR USE ON

- ▶ Showers, bathrooms and toilets
- ▶ Domestic and commercial locations
- ▶ Nursing homes and hotels
- ▶ Rooms with domestic use

SUITABLE ON

- ▶ Concrete, masonry, porous concrete
- ▶ Lime cement, cement, gypsum plaster
- ▶ Plasterboard, gypsum fibre-, dry construction boards
- ▶ Tile carrier elements
- ▶ Underfloor heating



PRODUCT BENEFITS/FEATURES

- ▶ Ready-to-use
- ▶ Roller or trowel application
- ▶ Rapid drying
- ▶ In 2 colours for awareness
- ▶ Flexible and crack-bridging
- ▶ Waterproof
- ▶ Carries official test certificate

TECHNICAL SPECIFICATIONS

Pack type	plastic bucket
Pack size	4 kg, 10 kg, 18 kg, 25 kg
Shelf life	24 months
Color	green and grey
Minimum working temperature	+ 5 to + 25 °C
Ideal working temperatures	+ 15 to + 25 °C
Minimum dry coat thickness	0.5 mm
Drying time 1st coat	approx. 1 hour*
Drying time 2nd coat	approx. 1 - 2 hours*
Consumption	approx. 1.3 kg/m ²

*At 23 °C and 50 % relative humidity.



SUBSTRATE PREPARATION

The substrate must be sound, dry, level, free from cracks, clean, load-bearing and free from materials that would impair adhesion.

Test the substrate in accordance with applicable standards and notices and report any deficiencies. Mechanically prepare smooth concrete surfaces, adhesion-reducing or weak layers and clean dust-free, if necessary.

Flowscreeds must be ground, vacuumed and primed. Allow primers to always dry completely.

Heated screeds must be treated according to "Interface coordination for heated floor constructions" (heat drying, heating to accelerate readiness for covering).

Prepare substrate according to type and properties with suitable primers and levelling compounds from the codex range of products. Possibly required smoothing for levelling purposes must always be carried out before applying the composite seal.

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

APPLICATION

1. To seal corner, connection and movement joints as well as pipe leadthroughs and floor drains the codex sealing tape or the fitting codex sealing collar are incorporated in the first coat and worked over with the second coat.
2. Then apply codex AX 10 undiluted in at least two layers, evenly and thoroughly over the whole surface. Application can be made by roller (lamb's wool roller), brushing (wide surface brush) or levelling. The application of the first coat is followed by a second coat of codex AX 10, preferably using the second colour for better distinction. The substrate or first coat should not show through since this would indicate insufficient application of material. Wet thickness min. 2 x 0.4 mm to achieve a total dry thickness of at least 0.5 mm at all points.
3. Clean tools with water immediately after use.
4. After complete drying of the last sealing layer, the following adhesive mortars and reaction resin adhesives can be used: codex Power CX 1, codex Power CX 2, codex Power CX 3, codex Power CX 4, codex Power CX 5, codex Power RX 6 Turbo, codex Power RX 8, codex Power Maxx, codex Power Plus Turbo, codex Stone SX 20, codex Stone SX 60, codex Stone SX 80, codex Stone Plus codex X-Fusion, codex Fliesopur.

IMPORTANT NOTES

- ▶ Store dry and free from frost. Carefully and tightly re-seal opened packaging and use the contents as quickly as possible.
- ▶ Optimum processing at 15 – 25 °C, relative humidity 65%. Cold and high humidity will delay whilst heat and low humidity will accelerate the working, setting and drying time.

- ▶ Suitable floor drains need to be installed according to manufacturer's recommendation for the respective use and purpose. Obtain application consulting if the installation situation for the connection of the composite seal requires this.
- ▶ According to the technical bulletin "Composite Seals" codex AX 10 is always applied in at least two operations with a total film thickness of at least 0.5 mm at any point. If necessary, apply a second coat to achieve the minimum film thickness.
- ▶ Drying and strength development depend on the weather conditions. Install tiles only after the last sealing layer has fully dried.
- ▶ Use codex products according to the current product overview for areas with increased exposure to chemicals and acids as well as on wood or chipboard panels, metal and plastics or solicit application consulting.
- ▶ 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 18 534 "Waterproofing for indoor applications"
 - DIN 18 531-5 "Waterproofing of roofs, balconies and walkways"
 - DIN 18 534 "Waterproofing of tanks and pools"
 - ZDB bulletins:
 - "Composite sealants"
 - "Floor coverings from tiles and slabs outside of buildings"
 - "Movement joints in covering and flooring from tiles and slabs"
 - "Interface coordination"
 - BEB bulletin:
 - "Assessment and preparation of substrates"

SEALS OF QUALITY & ECOLABELS

- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission

CONSUMPTION

Polymer dispersion, preservation agents, mineral aggregates, additives and water.

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

Solvent-free. Use of barrier cream and ventilation of the work area are recommended. When fully dried, has a neutral odour and presents no physiological or ecological risk.

DISPOSAL

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste.