

Natural stone silicon

CODEX SG 20

Highly resilient, neutrally cross-linked 1-component sealing compound

APPLICATIONS

codex SG 20 is a highly resilient, neutrally cross-linking, ready to use silicon sealing compound for jointing of corner, connection and movement joints in the sanitary, construction and assembly area as well as glass and window construction. Natural stones can also be bonded to metal substrates with codex SG 20.

Can be used on wall and floor coverings in interior and exterior areas.

LEED: Meets the LEED requirements in IEQ Credit (4.1) Low Emitting Materials - Adhesives and Sealants (LEED v4)

SUITABLE FOR USE ON

- ▶ Natural stone such as marble, granite, gneiss
- ▶ Concrete slabs
- ▶ Earthenware, stoneware, fine stoneware
- ▶ Ceramics, glass
- ▶ Sanitary objects
- ▶ Kitchens, bathrooms
- ▶ Swimming pools (underwater areas)
- ▶ Balconies and terraces
- ▶ Residential, commercial and industrial construction
- ▶ Damp and wet rooms

AVAILABLE COLORS



PRODUCT BENEFITS/FEATURES

- ▶ Ready for use
- ▶ No edge zone discolourations with natural stone
- ▶ Quick-setting
- ▶ Highly resilient and self-adhering
- ▶ Surface very easy to smooth
- ▶ Fungicide properties
- ▶ Resistant against weather and ageing
- ▶ UV-resistant

TECHNICAL SPECIFICATIONS

Pack type	cartridge
Pack size	310 ml
Shelf life	15 months
Minimum working temperature	+ 5 °C to + 35 °C
Ideal working temperatures	+ 5 °C to + 35 °C
Temperature resistance	- 40 °C to + 180 °C
Skin formation	approx. 5 - 7 minutes*
Weather resistance	resistant against driving rain after 2 hours
Setting time	2 - 3 mm/ 24 hours*
Motion absorption	20 %
Elongation tension	approx. 0.5 N/mm ²

*At 23 °C and 50 % relative humidity.



SUBSTRATE PREPARATION

The joint flanks and bonding surfaces must be dry, firm, free from grease and dust as well as substances interfering with adhesion. Remove non-load-bearing layers, paint residues and old sealing compounds. Remove greases and oils with UZIN VE 100, if necessary. Prefill deep joints with a suitable correctly dimensioned filler material (e.g. closedcell PE round string). Avoid adhesion to three flanks.

If the substrates are unknown / critical prior testing may need to be done to ensure that the materials in the contact area are compatible and do not damage or modify each other (e.g. discolouration).

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

APPLICATION

1. Cut the cartridge open above the threaded neck and screw on nozzle tip cut at an angle.
2. Press sealing compound bubble-free with good flank wetting into the joint. Do not spread the silicon sealant beyond the joints since smearing is difficult to remove. Especially with unpolished and / or open-pore natural stone surfaces.
3. Smooth the fresh silicon surface with codex Smoothing Agent SG 10. Immediately wash off or remove excess material.
4. Protect joints against soiling until completely dry.
5. Clean tools and soiled surfaces while fresh. Remove mechanically when hardened.

IMPORTANT NOTES

- ▶ Store in a cool, dry and frost-free place in temperature range from + 15 °C to + 25 °C and relative humidity < 60 %. Carefully and tightly re-seal opened packaging and use the contents quickly.
- ▶ If the products are stored and / or transported for extended periods (several weeks) at higher temperature / humidity reduction of the shelf life or change of material properties cannot be ruled out.
- ▶ Provide good ventilation during processing and drying.
- ▶ Contact with materials containing bitumen and releasing plasticizers such as butyl, EPDM, neoprene, insulating or black coating is to be prevented since this may damage the joint.
- ▶ In spite of the fungicide setting of codex SG 20 care must be taken in moist and wet rooms (sanitary areas) that the joints are kept clean with a commercially available household cleaner and that adequate ventilation is ensured. Soap residues and consistent moisture provide a good growth condition for microorganisms.
- ▶ Mask off joint edges for joint work with clean edges, using self-adhesive tape, if necessary; remove adhesive tape immediately after smoothing.
- ▶ Because of the high sensitivity toward spots of some marble and natural stone types the use of other, possibly non-compatible smoothing agents (detergent) is discouraged.
- ▶ Paint does not adhere on codex SG 20. For paint-over connecting or movement joints codex products from the current product offering should be used.

- ▶ In addition to all relevant standards, guidelines and bulletins the following are recommended for special attention:
 - DIN 18 352 "Tile and slab work"
 - DIN 13 332 "Working with natural stone"
 - DIN 18 333 "Working with concrete blocks"
 - DIN 18 157 "Ceramic work in thin bed processes"
 - ZDB bulletin: "Movement joints in covering and flooring from tiles and slabs"
 - IVD bulletin No. 3

SEALS OF QUALITY & ECOLABELS

- ▶ EMICODE EC 1 PLUS / Very low emission

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

Solvent-free. Non-flammable. Keep out of reach of children. Avoid contact with eyes. Ventilation of the work area is recommended. When fully dried, the product presents no physiological or ecological risk.

DISPOSAL

Do not allow dispersal into drains, sewers or ground. Plastic cartridges with liquid residues are special waste, empty cartridges or those with dried residues are Construction Waste.