Technical Data Sheet

Version 01/2025

SilcTec Naturstein Matt 60 (Universalsilikon matt)

Product Description

Elastic, neutral crosslinking, solvent-free one-component silicone sealant. Reacts with moisture. MEKO-free neutral system.

Standards, tests and specifications

- EN 15651-1: 20HM
- EN 15651-3: XS1
- EN 15651-4: 12,5E
- EN 13501: Fire behavior class E
- Emicode© EC1 PLUS – Very low emissions
- joint surface with fine structure
- food compatible
- DGNB/ÖGNI: Q4 in line 11
- GISCODE: DSO20

Product Properties

- for joint with matt surface
- joint surface with fine structure
- very low emission - EMICODE EC1 PLUS
- No edge zone discoloration on natural stone
- for gluing suitable mirrors
- tested for food compatibility
- best protection against microorganisms (fungi): EN 15651-3: XS1
- fire behavior according to EN 13501-1: class E
- good chemical resistance
- excellent self-adhesion, therefore also usable as an adhesive
- permanently elastic
- waterproof
- Weather, ageing and UV-resistant
- Ready-to-use
- color-stable

INSEBO®
SOLUTIONS THAT MATTER

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Areas of Application

Expansion joints, outdoors, artificial or natural stones, weather-stressed joints, facade construction, stone steps, sheet metal masking, joints in the roof area, inner door frames, metal construction, wood work, kitchen area, adhesion of mirrors with suitable mirror coating, repair and reconditioning works.

Form of Delivery

Cartridge	300 ml
Packing unit	20 pieces per box

Substrates

Suitable substrates:

plaster, concrete, aerated concrete, masonry, brick, clinker, cement, fiber cement, plasterboard, wood, wood chipboard, lacquered, glazed or impregnated wood, wood fiber boards, aluminum, corrosion-protected metals, copper, zinc, iron, steel, brass, zinc sheet, ceramics, tiles, enamel, marble, terrazzo, granite, natural stone, artificial stone, glass, mirror, many plastics, hard PVC

Unsuitable substrates:

tar, bitumen-containing substrates, EPDM, PIB, PTFE, PP, PE, gypsum, lead

Instructions for Use

The adhesive surfaces must be clean, dry, free from release agents and firm. Dust, grease, oil and loose parts must be removed before processing. Generally non-absorbent, closed-pore substrates should be pretreated with GRUNDIERUNG GP and absorbent, open-pore substrates with GRUNDIERUNG OP in order to achieve a best possible adhesion. Allow the primer to evaporate well. Be careful when using a primer as it may stain the substrate.

In any case, a test should be made beforehand. We advise to carry out a suitability test for the large number of substrates, building materials and/or coatings used today, especially for plastics, paintings and powder coatings. The use of a PE round cord as a joint backfill material is recommended to avoid three-point-adhesion. Before beginning, the joint edges should be taped with suitable adhesive tape.

Cut off the cartridge nipple with a sharp knife. Screw the nozzle onto the cartridge and cut it to the desired width. Insert the cartridge into the ejector gun and eject the sealing compound evenly and without any cavities. Spray the sealant with INSEBO smoothing agent before skin formation and smooth it with a joint spatula. Then remove the adhesive tape and any sealant residues before curing.

When handling large quantities in enclosed spaces, fresh air must be provided during the curing time. The sealant is odorless after curing. Store cartridges cool and dry. Higher temperatures shorten shelf life.

Use as a mirror adhesive:

Apply straight lines of adhesive to the back of the mirror. Do not create a full-surface, circular or point-like bond. Sufficient rear ventilation must be guaranteed. It is essential to fix the mirror with blocks, adhesive tape or something similar while the adhesive is hardening. The processing instructions of the mirror manufacturer, the ÖNORM EN 1036 - Appendix B and die technischen Richtlinien des Glaserhandwerks Nr. 11, Montage von Spiegeln must be observed.

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Technical Data

Characteristics	Standard	Value
Density	EN 1183-1	1,1 ± 0,1 g/cm³
Shore A hardness	EN ISO 868	ca. 40
Fire behavior	EN 13501	E
Skin formation time (normal climate 23/50)		ca. 8 min
Curing (normal climate 23/50, depending on substrate)		ca. 2 mm after 24 h
Stability	EN 7390 (no sagging in the joint)	≤ 3 mm
Microbiological growth	EN 846	1 (no growth evident)
Volume loss	EN 10563	< 10 %
Temperature resistance (cured mass)		-20 to +180 °C
Processing temperature		+5 to +40 °C
Shelf life cartridge (dry, at +5 to +25 °C)		12 months

Safety Instructions

Please refer to our safety data sheet and the product label for further information on product safety and handling.

Current safety data sheets and further information on our products can be found at www.insebo.com.

Service

Upon request, our trained sales representatives are always at your disposal.

Disposal

For disposal instructions please refer to our safety data sheet and product label.

Additional Information

This technical data sheet advises without obligation and guarantee. The mentioned processing instructions have to be adapted to the prevailing conditions. The user is obliged to check the suitability and application by own experiments in order to avoid failures.

All given descriptions, data, ratios, weights, etc. can change without notice and do not represent contractually agreed properties of the product. Existing laws, standards and regulations are to be observed by the recipient of our products in their own responsibility.

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Due to environmental influences, such as chemical stress, vapors, UV exposure or high temperatures, color changes can occur. However, other product properties are not affected by these changes.

Due to the large number of possible influences during processing and application, a guarantee of certain properties or suitability for a specific application can not be made, own tests are necessary.

The right to make technical changes is reserved.

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