

### Silicone

Fungicide adjusted. Permanent elastic. For sealing and filling connection and movement joints. For internal and external application. SCHÖNOX ES corresponds Ecode EC 1<sup>PLUS</sup> according to GEV.

### Product characteristics

- ECODE EC 1<sup>PLUS</sup>: very low emission
- frost resistant
- suitable for application on subfloor heating systems
- constant within a wide range of temperature
- for interior and exterior use
- permanent highly elastic
- fungicide, prevents fungal growth
- on glass, enamel, glazed ceramic, clinker etc. no priming required
- resistant against ageing, water, sea water, carbonic acid, ozone, UV-radiation, norma cleaning agents

### Applications

- SCHÖNOX ES is especially suitable for sealing and filling connection and movement joint of ceramic coverings, such as between tiled walls and bathtubs, washbasins, shower basin, toilets etc.

### Requirements of substrate

- The joints must be dry and free of dirt and separating agents.
- The joints must be minimum 5 mm wide and 5 mm deep, maximum 25 mm wide and 15 mm deep.
- Joint width of 10 up to 20 mm requires joint depth of 8 up to 12 mm.
- To avoid adhesion to three flanks, fill up the joints with a suitable material like a poly-ethylene cord.
- Prime pre-treat high-grade steel, aluminium and some synthetics as well as alkaline substrates (plaster, masonry, concrete etc.) with a suitable primer.

### Material consumption

The consumption depends on the size of the joints. One cartridge SCHÖNOX ES is adequate for the following lengths of joints - depending on the joint size:

### size of joint

#### (width x depth)

- 5 x 5 mm
- 6 x 6 mm
- 7 x 7 mm
- 8 x 8 mm
- 10 x 10 mm
- 12 x 10 mm
- 15 x 10 mm
- 20 x 12 mm

### one cartridge

#### is required for

- 12.0 m
- 8.0 m
- 6.0 m
- 4.5 m
- 3.0 m
- 2.5 m
- 2.0 m
- 1.2 m

### Recommended method of working

- Cover the border area of tiles with adhesive tape and remove it immediately after grouting.
- Inject SCHÖNOX ES steady into the joint.
- Smooth the surface immediately with a smoothing tool (e.g. spatula, jointer) wetted with a suitable silicon smoothing agent for natural stones.
- Smoothing agent should not be left in larger quantities on the silicone grout and dry, because dried residues can lead to optical adverse effects on the surface of the sealing compound (matt/light spots). As far as the smoothing agent is not able to run off the joint itself, it is recommended to apply it sparingly, e.g. wet burnishing tool only. To avoid spots/discolouration on ceramic tiles, remove excess smoothing agent with clear water before drying.

### Packaging

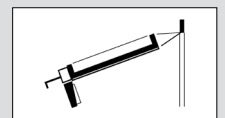
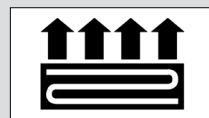
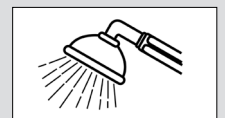
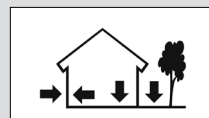
- 300 ml cartridge (12 pieces in a box)

### Storage

- Store SCHÖNOX ES in cool, dry conditions.
- Storage life of 2 years (in closed packaging).
- opened cartridges must be used in a short time

### Technical data

- Basis: one-component, acetic cross-linking (acetate) silicone rubber mastic
- Colour: available in various colors
- Skin formation: after approx. 15 min
- Application temperature: +5 °C to +40 °C
- Temperature resistance: completely cured -40 °C to +180 °C
- Curing in 24 hours: approx. 3 mm



### Disposal

- Empty cartridges and dispose of in accordance with the regulations.
- For the disposal of product residues, waste water and containers with adherent product residues please follow the local governmental regulations.

### EMICODE

- EC 1<sup>PLUS</sup>: very low emission

### EPD - Self-declaration

SCHÖNOX GmbH declares as a statutory member of Deutsche Bauchemie and Industrieverband Klebstoffe that the product fulfills the criteria for Construction sealants silicone-based.

### ENVIRONMENTAL PRODUCT DECLARATION

acc. to ISO 14025 and EN 15804

### Owner of declaration

Deutsche Bauchemie e.V.  
Industrieverband Klebstoffe e.V.  
Verband der deutschen Lack- und Druckfarbenindustrie e.V.

### Editor

Institut für Bauen und Umwelt e.V. (IBU)

### Program owner

Institut für Bauen und Umwelt e.V. (IBU)

### Number of declaration

EPD-DBC-2014-BDSB-IBM1-DE

### Date of issue

10.09.2014

### Valid until

09.09.2019

### Instructions

- All values are approximate and are subject to local climatic fluctuations.
- All information applies to standard conditions.
- We recommend SCHÖNOX MES for sealing natural stones and concrete slabs.
- Vulcanised material can only be removed mechanically.
- For technical reasons, slight differences in colour are possible from one cartridge to the other; this does not effect the quality of the silicone. We do not ac-

cept any liability for these differences in colour.

- Due to the acidic hardening system, there is a danger of corrosion for some metals (lead, zinc, iron). You should ensure sufficient rust protection if required.
- The fungicidal fitting of SCHÖNOX ES prevents mould infestation on the surface of the sealing. High air humidity, warmth, weak light and irregular cleaning can promote the mould-infestation. SCHÖNOX ES must be compatible with the corresponding cleaning and disinfection agent which is used to maintain the joints.
- A silicone joint depending on the application can be defined as a maintenance joint. Pay attention to the ZDB-leaflet „Bewegungsfugen in Bekleidungen und Belägen aus Fliesen und Platten“.
- SCHÖNOX ES is not suitable for sealing expansion joints in swimming pools.
- Areas which are grouted with SCHÖNOX ES can be cleaned with household steam cleaners (without using scrubbers) 7 days after grouting.
- Strong impact from tobacco smoke and similar environmental influences may lead to discolouration of the sealant.
- One-component silicones are not suitable for bonding applications except the structural design allows for.

The applicable recommendations, guidelines, DIN regulations and safety data sheets are to be observed, together with the recognised architectural and engineering regulations. We guarantee that our products leave the factory in perfect condition. While our recommendations for use are based on tests and practical experience, they can only provide general guidance without any assurance as to product characteristics, since we have no influence over the conditions on site, the execution of the work or the method of processing. This product data sheet supersedes all previous editions.



The Sika management system is certified to ISO 9001 and 14001 by SQS

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