

### Ready for use, light bonded sealing

Ready for use, one component membrane for preparing a waterproof bonded sealing under tiles in wetrooms. Can be used in areas which relate to the moisture loading classes I and II. Fulfills the requirements of the German supervision of building for the class A 1 according to building regulation A Part 2, Figure 2.50 (DIBT). For internal application.

### Product characteristics

- officially approved - no.: P-5333/073/08-MPA BS
- one component
- quick drying time
- watertight
- diffusion permeable
- highly elastic
- resistant against ageing
- crackbridging
- ready for use
- easy to apply
- thixotrope
- ideal for trowel application
- rollable
- change of colour after drying
- solvent-free according to TRGS 610
- EMICODE EC 1: very low emission

### Applications

**SCHÖNOX HA is a light, dispersion based bonded sealing, suitable for normal and highly loaded wet areas such as:**

- showers
- bathrooms
- SCHÖNOX HA fulfills the requirements of ETAG 022, part 1, for bonded sealings liquid to work with for walls and floors in wet rooms in combination with SCHÖNOX ST-COMPONENTS. ETAG approval number ETA-09/0247.
- SCHÖNOX HA meets the requirements of the moisture loading class A0 for membranes in the leaflet „Hinweise für die Ausführung von Abdichtungen im Verbund mit Bekleidungen und Belägen aus Fliesen und Platten für den Innen- und Außenbereich“.
- SCHÖNOX HA is authorized by the German building supervision for the preparation of bonded sealings in highly loaded wet areas in the moisture loading classes A according to the building regulation A, Part 2, Figure 2.50. and fulfils the requirements of the test principles to issue a building authority

approval for liquid treated membranes combined with ceramic.

### Substrates

**SCHÖNOX HA is suitable for sealing on:**

- concrete
- masonry (fully grouted)
- cement and rapid cement screeds
- cement plaster, lime-cement plaster (CS II, CS III of CS IV according to EN 998-1, compression strength  $\geq 2,5 \text{ N/mm}^2$ )
- gypsum plaster according to EN 13279-1, compression strength  $\geq 2,5 \text{ N/mm}^2$ ; residual moisture  $\leq 1,0 \text{ CM-\%}$ )
- composite elements of polystyrene coated with mortar
- pre-cast hollow wall panels of lightweight concrete
- pre-cast aerated concrete wall slabs
- gypsum board
- calcium sulphate based screeds
- gypsum bricks
- dry screeds
- old ceramic coverings

### Requirements of substrate

- Adequate strength, load bearing capacity, dimensional stability and permanent dryness.
- Free of residues which reduce adhesion, e.g. dust, dirt, oil, fat and loose particles.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the subfloor repaired with SCHÖNOX levelling compounds as required.
- Substrate should fulfill the requirements of DIN 18 202, tolerances in building constructions.
- The requirements of DIN 18 157 are applicable.
- With subsequent installation of ceramic coverings cement screeds are required to be at least 28 days old and to display a residual moisture reading of  $\leq 2.0 \text{ CM-\%}$  (heating screeds  $\leq 2.0 \text{ CM-\%}$ ), calcium sulphate screeds should

### Technical data

- Basis: synthetic resin dispersion, solvent-free
  - Color: blue-grey
  - Application temperature: not below + 5 °C
  - Drying time:
    - Drying time between 1. and 2. coat. approx. 3 hours on walls
    - drying time between 1. and 2. coat. approx. 5 hours on floors
  - Ready for covering:
    - after approx. 3 hours on walls (after 2. layer)
    - after approx. 5 hours on floors (after 2. layer)
- for interior areas. Please note that the stated drying times and times for further processing are influenced by ambient conditions like temperature, relative humidity, solar radiation, different substrates and so on.



have a reading of  $\leq 0.5$  CM-% (heating screeds  $\leq 0.3$  CM-%).

- Smooth rock pockets in concrete and coarsely porous concrete substrates using SCHÖNOX PL.

### Priming

- **calcium sulphate substrates such as:**

- gypsum plasterboards
- gypsum fibreboards
- gypsum bricks
- gypsum plaster
- calcium sulphate screeds

prime with SCHÖNOX KH (1:1) (drying time at least 24 hours) or SCHÖNOX KH FIX (drying time at least 1 hour).

Depending on surface appearance it can be necessary to use an epoxy based primer like SCHÖNOX GEA for calcium sulfate based flowing screeds, calcium sulfate based levelling compounds or gypsum bricks.

- **non-absorbent, smooth, sound substrates such as:**

- ceramic coverings, stable, thoroughly cleaned and if necessary abraded prime with SCHÖNOX SHP.

### Material consumption

approx. 1,35 kg/m<sup>2</sup> for two layer application.

- **Layer thickness:**

Wet layer thickness minimum 0,45 mm for each application, dry layer-thickness of the whole coating minimum 0,5 mm.

- During the application of SCHÖNOX HA the wet film thickness could be controlled with the SCHÖNOX NASSSCHICHTDICKENMESSER.
- Alternatively the layer thickness could be controlled and calculated during the application in dependence of the material consumption (kg per m<sup>2</sup>).

### Recommended method of working

- SCHÖNOX HA is a ready for use bonded sealing. SCHÖNOX HA has a thixotropic viscosity and can be treated directly taken out of the bucket without stirring for application with steel float or for application with a roller.

- To guarantee a save sealing SCHÖNOX HA has to be applied in two work steps. The needed dry layer thickness must be observed. Apply the membrane with lambskin roller, foam roller or steel float.

- Each single layer must be completely dry before starting next work step.

- Drying time is dependent on the absorbency of the substrate.

- Movement joints as well as floor- and wall connection joints should be bridged with SCHÖNOX ST SEALING TAPE, SCHÖNOX ST INTERIOR ANGLE and SCHÖNOX ST EXTERIOR ANGLE.

- Floor drains and pipe penetrations should be furnished with SCHÖNOX ST FC SEALING SLEEVE FLOOR and SCHÖNOX ST D STRETCHABLE SEALING SLEEVE WALL.

- The SCHÖNOX ST SEALING TAPE and the SCHÖNOX ST-COMPONENTS are used for the realization of details before applying the membrane to the entire surface area.

- Install SCHÖNOX ST SEALING TAPE and SCHÖNOX ST-COMPONENTS at abutting edges with at least 5 cm overlapping.

- After execution of all details, applying the bonded sealing to the whole surface can start.

- Sealing tapes, sealing sleeves and sealing angles can be fully worked over with the second layer of the bonded sealing.

- In areas with moveable zones, e.g. loop installing or over movement- and building joints, spare the bonded sealing in the same width.

- On the completely dried membrane tiles can be bonded directly.

- To guarantee the function of the membrane, this procedure must be carried out carefully.

- Repair of subsequently damaged areas: Reconstruct using the same layer thickness, overlapping the undamaged area by at least 5 cm. Required drying times must be observed prior to laying new tiles.

- More detailed processing instructions you can take from the ETAG processing guideline which you can download un-

der [www.schoenox.de](http://www.schoenox.de) or you can ask for via SCHÖNOX GmbH.

- For more information see product data sheet 7.65, SCHÖNOX ST SEALING TAPE.

### Packaging

- 22,0 kg plastic pail
- 16,0 kg plastic pail
- 7,0 kg plastic pail

### Storage

- Store SCHÖNOX HA in cool, dry, frost-free conditions.
- Storage life of 1 year (in closed packaging).
- Opened bags should be closed immediately and used up as soon as possible.

### Disposal

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

### EMICODE

- EC 1: very low emission

### GISCODE

- D1 - solvent-free dispersion adhesives and primers

### EPD - Self-declaration

SCHÖNOX GmbH declares as a statutory member of Deutsche Bauchemie and Industrieverband Klebstoffe that the product fullfills the criteria for dispersion based products of class a.

### 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-DIV20140063-IBG1-DE**

**Date of issue**

04.04.2014

**Valid until**

03.04.2019

### Instructions

- All values are approximate and are subject to local climatic fluctuations.
- Clean tools in water immediately after use.
- Wipe impurities immediately from the covering surface and remove residual skin using a suitable cleaning agent (e.g. SCHÖNOX FIX CLEAN).
- To tighten built-in parts like one-handle built-in mixers, in each case the sealing sleeves recommended for this model from the manufacturer should be used.
- Penetrations should be treated with thin bed flanges in a minimum circumferential width of 5 cm and made from a material suitable for bonding with a dispersion based membrane. If necessary obtain special information about flange systems.

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

**Sika Deutschland GmbH**

**Subsidiary Rosendahl**

**P.O. Box 11 40**

**D-48713 Rosendahl / Germany**

**Phone +49 (0) 2547-910-0**

**Fax +49 (0) 2547-910-101**

**E-mail: [info@schoenox.de](mailto:info@schoenox.de)**

**[www.schoenox.com](http://www.schoenox.com)**



SCHÖNOX is a brand of the SIKI Group