

### SCHÖNOX ST, ST IC, ST EA, ST (D4, D8, D15, D21, D35, D65), ST BC, ST BC L, ST BT, ST FC.

Sealing accessories SCHÖNOX ST, ST IC (inside corner), ST EA (external angle) and SCHÖNOX ST FC are crosswise elastic, double-sided non-woven. SCHÖNOX ST BT, SCHÖNOX ST BC, ST BC L are self-adhering butyl rubber coated non-woven sealing accessories. SCHÖNOX ST, ST IC, ST EA, ST BT are intended for tightening wall-and wall-/floor connections. SCHÖNOX ST D are stretchable pipe sealing cuffs. SCHÖNOX ST BC, ST BC L sealing cuffs are intended for sealing drain penetrations with a plastic or metal flange. SCHÖNOX ST FC is a drain sealing cuff for sealing the details in swimming pools and drain penetrations with a non-woven flange.

### Product characteristics

- EMICODE EC 1<sup>PLUS</sup>: very low emission
- high breaking strength
- crosswise elastic
- permanent highly elastic
- extensible
- watertight
- waterproof
- easy to apply
- good adhesion to SCHÖNOX bonded sealings
- resistant against aggressive media (except SCHÖNOX ST BT, SCHÖNOX ST BC, SCHÖNOX ST BC L)

### Applications

**SCHÖNOX ST SEALING TAPE and SCHÖNOX ST-COMPONENTS are suitable as set in combination with SCHÖNOX bonded sealings:**

- SCHÖNOX ST SEALING TAPE and SCHÖNOX ST-COMPONENTS does full-fill the requirements of EOTA ETAG 022, waterproofing for walls and floors in wet areas.
- in highly loaded commercial wet rooms, such as shower rooms in sport halls, therapy rooms in hospitals and the like
- for catering kitchens, car washes and cold storage houses (except SCHÖNOX ST BT, SCHÖNOX ST BC, SCHÖNOX ST BC L)
- in swimming pools in combination with ceramic coverings (except SCHÖNOX ST BT, SCHÖNOX ST BC, SCHÖNOX ST BC L)
- in balconies and terraces (except SCHÖNOX ST BT, SCHÖNOX ST BC, SCHÖNOX ST BC L)

### Substrates

**SCHÖNOX ST is suitable on even, absorbent and non-absorbent substrates e.g.:**

- concrete (at least 3 months old)
- aerated concrete

- 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  $\geq 2,5 \text{ N/mm}^2$
- gypsum board
- construction boards
- masonry
- cement and rapid cement screeds
- old ceramic coverings
- calcium sulphate based screeds

### 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.
- Layers of water-soluble adhesives, e.g. sulphite-waste-adhesives, are to be mechanically removed.
- Old water-resistant adhesives are to be mechanically removed as far as possible.
- Old floors, such as ceramic tiles are to be thoroughly cleaned and sanded.
- Smooth rock pockets in concrete and coarsely porous concrete substrates using SCHÖNOX PL.

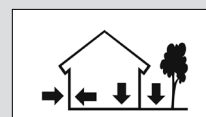
### Priming

**Prior application of self-adhering sealing accessories SCHÖNOX ST BT, SCHÖNOX ST BC, SCHÖNOX ST BC L.**

- **normal absorbent substrates such as:**
    - lime-cement plaster
    - cement screeds
    - rapid cement screeds
    - concrete
- prime with SCHÖNOX KH (1:3) or SCHÖNOX KH FIX .

### Technical data

- Color: grey
- **SCHÖNOX ST, SCHÖNOX ST IC, SCHÖNOX ST EA, ST D, ST FC**
- Chemically resistant against:
  - caustic potash 3 %
  - acetic acid 5 %
  - lactic acid 5 %
  - hydrochloric acid 3 %
  - sulphuric acid 35 %
  - citric acid 10 %
  - sea-water 20 g/l sea salt
- SCHÖNOX ST roll width: 120 mm
- Material thickness: appr. 0,6 mm
- Temperature resistance SCHÖNOX ST, SCHÖNOX ST FC, SCHÖNOX ST IC and SCHÖNOX ST EA: -30 °C up to +90 °C
- Temperature resistance SCHÖNOX ST D8 (Ø 12-24mm), ST D15 (Ø 25-40 mm), ST D21 (Ø 35-50mm), ST D35 (Ø 50-75mm), ST D65 (Ø 70-125mm): -5 °C up to +60 °C
- **SCHÖNOX ST BT, SCHÖNOX ST BC, SCHÖNOX ST BC L**
- Material thickness: appr. 0,7 mm
- Temperature resistance SCHÖNOX ST BC, SCHÖNOX ST BC, SCHÖNOX ST BC L: -5 °C up to +60 °C



- **calcium sulphate substrates such as:**
  - gypsum plaster
  - gypsum fibreboards
  - calcium sulphate screeds
  - dry screeds on gypsum base
- prime with SCHÖNOX KH (1:1) or SCHÖNOX KH FIX.
- **non-absorbent, smooth, sound substrates such as:**
  - ceramic coverings, stable, thoroughly cleaned and if necessary abraded
- priming not required

### Recommended method of working

- 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.
- Self-adhering butyl sealing accessories SCHÖNOX ST BT, SCHÖNOX ST BC and SCHÖNOX ST BC L are inserted directly after priming phase. The other SCHÖNOX ST sealing accessories are embedded wrinkle free into the fresh SCHÖNOX water membranes and fixed directly to the subfloor using a smoothing trowel or a spatula.
- Cover completely the top surface of SCHÖNOX ST BT, SCHÖNOX ST BC and SCHÖNOX ST BC L with SCHÖNOX water membrane, which is used in the entire surface area (exception SCHÖNOX WSF water membrane. For more info refer to the product data sheet).
- For adhering SCHÖNOX ST use the same SCHÖNOX water membrane, which is used for the entire surface area. (exception: SCHÖNOX WSF, refer to the product data sheet)
- If possible resp. necessary SCHÖNOX ST SEALING TAPE can also be carried out as a loop. Take care, that no sealing material is filled into the joint.
- Install SCHÖNOX ST SEALING TAPE and SCHÖNOX ST-COMPONENTS at abutting edges with at least 5 cm overlapping.
- Hereafter start with applying the bonded sealing in the surface area. (Pay attention to the product data sheets of SCHÖNOX bonded sealings).

- In areas with moveable zones, e.g. loop installing or over movement- and building joints, spare the bonded sealing in the same width.
- Pull over the sealing sleeve evenly over the pipe. The STRETCHABLE SEALING SLEEVE SCHÖNOX ST D fits right, if appr. 4 mm of the stretchable range is adapted over the pipe.
- Pay attention to use the STRETCHABLE SEALING SLEEVE only in combination the installed pipe extension. Do not by any means install the STRETCHABLE SEALING SLEEVE in combination with the normal blind plug made from plastics.
- There is no given punch hole at the SCHÖNOX ST FC SEALING SLEEVE FLOOR. Cut out an appropriate punch hole with a scissor or a knife. Carry out round or in corner regions rounded punch holes.
- In permanent wet and underwater areas use preferable pipe penetrations and drains with loose-fixed-flange or pipes with suitable sufficient width flange to glue.

### Packaging

- SCHÖNOX ST SEALING TAPE
  - 10 m roll (120 mm width)
  - 50 m roll (120 mm width)
- SCHÖNOX ST BT
  - 20 m roll (100 mm width)
- SCHÖNOX ST BC
  - 25 pieces/carton (370 x 370 mm)
- SCHÖNOX ST BC L
  - 4 pieces/carton (250 x 1500 mm)
- SCHÖNOX FC SEALING SLEEVE FLOOR
  - 10 pieces/carton (425 x 425 mm)
- SCHÖNOX ST IC INSIDE CORNER
  - 50 pieces/carton (side length 140 mm)
- SCHÖNOX ST EA EXTERIOR ANGLE
  - 50 pieces/carton (side length 140 mm)
- SCHÖNOX ST D 4 (Ø 6-12mm) STRETCHABLE SEALING SLEEVE
  - 25 pieces/carton (120 x 120 mm)
  - Punch hole 4 mm
  - Pipe diameter 6 - 12 mm
- SCHÖNOX ST D 8 (Ø 12-24mm) STRETCHABLE SEALING SLEEVE
  - 25 pieces/carton (130 x 130 mm)

- Punch hole 8 mm
- Pipe diameter 12 - 24 mm
- SCHÖNOX ST D 15 (Ø 25-40 mm) STRETCHABLE SEALING SLEEVE
  - 25 pieces/carton (140 x 140 mm)
  - Punch hole 15 mm
  - Pipe diameter 25 - 40 mm
- SCHÖNOX ST D 21 (Ø 35-50mm) STRETCHABLE SEALING SLEEVE
  - 25 pieces/carton (160 x 160 mm)
  - Punch hole 21 mm
  - Pipe diameter 35 - 50 mm
- SCHÖNOX ST D 35 (Ø 50-75mm) STRETCHABLE SEALING SLEEVE
  - 25 pieces/carton (150 x 150 mm)
  - Punch hole 35 mm
  - Pipe diameter 50-75 mm
- SCHÖNOX ST D 65 (Ø 70-125mm) STRETCHABLE SEALING SLEEVE
  - 25 pieces/carton (250 x 250 mm)
  - Punch hole 65 mm
  - Pipe diameter 70-125 mm

### Storage

- Store in cool, dry conditions, protect against sunlight.
- **SCHÖNOX ST SCHÖNOX ST, SCHÖNOX ST IC, SCHÖNOX ST EA, SCHÖNOX ST FC, SCHÖNOX ST D .**
  - Storage life of 2 years (in closed packaging).
- **SCHÖNOX ST SCHÖNOX ST BT, SCHÖNOX ST BC, SCHÖNOX ST BC L**
  - Storage life of 1 year.

### Disposal

- 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

### Instructions

- Please follow the relevant product data sheets when using complementary products. If in doubt, we recommend obtaining further information from the manufacturer.
- SCHÖNOX ST SEALING TAPE and SCHÖNOX ST-COMPONENTS are not suitable for direct contact to solvent

based sealants or adhesives. In especially chemical loaded areas and if loaded with oil, fuel or alcohol ask for further information before use. In case of doubt run a test regarding resistance.

- The requirements of the relevant valid standards, guidelines and data sheets apply.

The applicable recommendations, guidelines 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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