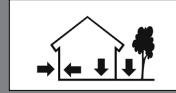


SCHÖNOX® ST 50/ ST 25

Components SCHÖNOX:ST 50,ST 25 SEALING TAPE, D 8, D 15, D 21, D 35, D 65 (STRETCHABLE SEALING SLEEVE WALL), FC (SEALING SLEEVE FLOOR), IC (INTERIOR ANGLE), EC (EXTERIOR ANGLE), SC L 20, SC L 28, SC R 20, SC R 28 (SLOPE CORNER), MFC (MULTIFUNCTION CORNER), SB SET (SHOWER BATH SET). For the usual ½ pipe bushings use SCHÖNOX D 15 stretchable sealing sleeve wall.

SCHÖNOX ST 50/ ST 25 is a crosswise elastic, double-sided fleece-cladded special seal tape. In combination with SCHÖNOX bonded sealings.



Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- high breaking strength
- alkali-proof
- crosswise elastic
- permanent highly elastic
- extensible
- watertight
- waterproof
- resistant against ageing
- rotproof
- easy to apply
- good adhesion to SCHÖNOX bonded sealings
- resistant against aggressive media
- fulfills the W0-I to W3-I requirements according to DIN 18534

Applications

SCHÖNOX ST 50/ ST 25 SEALING TAPE and SCHÖNOX COMPONENTS are suitable as set in combination with SCHÖNOX bonded sealings:

- for the fabrication of composite membranes in highly loaded wet areas for moisture loading classes A, B and C according „Verwaltungsvorschrift Technische Baubestimmungen (WTB) lfd. Nr. C 3.27“
- SCHÖNOX ST 50/ ST 25 SEALING TAPE and SCHÖNOX COMPONENTS does fulfill 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
- in swimming pools and water basins in combination with ceramic coverings
- on balconies and terraces

Substrates

SCHÖNOX ST 50/ ST 25 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 $\geq 2,5$ N/mm²)
- gypsum plaster according to EN 13279-1, compression strength $\geq 2,5$ N/mm²; residual moisture $\leq 1,0$ CM-%)
- gypsum board
- construction boards
- masonry
- cement and rapid cement screeds
- mastic asphalt screeds (completely sanded) AS IC 10 and AS IC 15 according to EN 13813
- old ceramic coverings
- calcium sulphate based screeds

Requirements of substrate

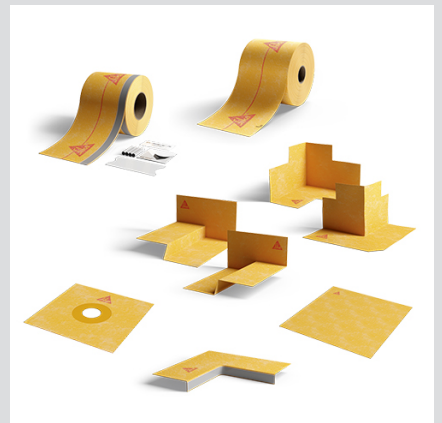
- Adequate strength, load bearing capacity, dimensional stability and permanent dryness.
- Free of residues which reduce adhesion, e.g. dust, dirt, oil, fat and loose particles.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the subfloor repaired with SCHÖNOX leveling 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.

Technical data

SCHÖNOX ST 50/ ST 25

- roll width: 120 mm
- Material thickness: appr. 0,6 mm
- mass per unit area: approx. 43 g/m
- Coating: permanent elastic, non-ageing, thermoplastic elastomer
- Color: yellow
- Temperature resistance SCHÖNOX ST 50/ ST 25, FC, IC, EC, SC L 20, SC L 28, SC R 20, SC R 28: -30 °C up to $+90$ °C
- Temperature resistance SCHÖNOX ST D 8, 15, 21, 35, 65 (DEHNZONENMANSCHETTE WAND), SB SET, MFC : -5 °C up to $+60$ °C
- 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

All values are approximate and are subject to climatic fluctuations.



SCHÖNOX® ST 50/ ST 25

Recommended method of working

- The SCHÖNOX ST 50/ ST 25 SEALING TAPE and the SCHÖNOX COMPONENTS are used for the realization of details before applying the membrane to the entire surface area.
- The SCHÖNOX ST 50/ ST 25 SEALING TAPE and the SCHÖNOX components are embedded wrinkle free into the fresh SCHÖNOX bonded sealing and fixed directly to the subfloor using a smoothing trowel or a spatula.
- Use in each case the SCHÖNOX bonded sealing, which you use for the entire surface area. (exception: SCHÖNOX AB 10/ AB 30, Pay attention to the product data sheet)
- If possible resp. necessary SCHÖNOX ST 50/ ST 25 can also be carried out as a loop. Take care, that no sealing material is filled into the joint.
- Install SCHÖNOX SCHÖNOX ST 50/ ST 25 SEALING TAPE and SCHÖNOX 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 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 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.

Working up SCHÖNOX SB SET SHOWER and BATH SEALING TAPE:

- SCHÖNOX SB Shower bath sealing tape is used for the watertight connection of shower trays and bathtubs to the surface seal according to DIN 18534. The set includes 10 m of cross-elastic, fleece-laminated special joint sealing tape with a self-adhesive strip on both sides, 3 butyl sticks for sealing different shower and bath corners and a radius template.
- SCHÖNOX SB shower bath sealing tape can be combined with all SCHÖNOX waterproofing systems. SCHÖNOX SB shower bath sealing tape is equally suitable for shower and bath tubs made of acrylic and steel enamel. When using SCHÖNOX SB shower bath sealing tape, there isn't a further sealing membrane underneath the shower or bathtub necessary.
- The surfaces of the shower and bath must be cleaned free of grease with suitable cleaning agents. With the help of the radius template and the SCHÖNOX SB SET attached Butylsticks prepare the corners of the shower and bathtub if necessary. Then align the SCHÖNOX SB SEALING TAPE, remove the protective foil and stick it with the butyl tape so that the remaining sealing tape points upwards. Then press evenly with a suitable tool. Then insert the SCHÖNOX SB SEALING TAPE into the SCHÖNOX compound seal and press it with the trowel without any cavities. With the second order of the SCHÖNOX compound seal, the tub sealing tape is being revised.
- To further avoid sound bridges, a self-adhesive noise protection tape (included in the bathtub / shower tray) can be applied to the SCHÖNOX SB shower bath sealing tape previously applied to the edge of the tub. Alternatively, the edge strip SCHÖNOX RS 50 can be glue on the wall (substrate) at

the level of the bathtub or shower tray edge.

Working up SCHÖNOX MFC MULTIFUNCTION CORNER:

- SCHÖNOX MFC is a waterproof, multi-functional shower and bath tub corner with self-adhesive strip for secure sealing of numerous and difficult corner installation situations. Can be used quickly and safely for floor-level showers as well as conventional shower and bathtubs.
- The surfaces of the shower and bath must be cleaned free of grease with suitable cleaning agents. Then align the SCHÖNOX MFC MULTIFUNCTION CORNER, remove the protective foil and stick it on with the butyl tape and press down with a suitable tool. Then seal the wall / floor connection of the SCHÖNOX MFC MULTIFUNCTION CORNER with the SCHÖNOX membrane to the wall or floor surface. The SCHÖNOX SB SHOWER BATH SEALING TAPE or the SCHÖNOX ST 50 / ST 25 SEALING TAPE is connected to the SCHÖNOX MFC MULTIFUNCTION CORNER. Afterwards glue with a 10 cm piece of SCHÖNOX ST 50/ST 25 sealing tape and SCHÖNOX iFIX or SCHÖNOX 1K DS PREMIUM on the back (without butyl glue strips) fully overlapping.

Packaging

- SCHÖNOX ST 50 / ST 25 FUGENDICHTBAND
25 m roll (120 mm width)
50 m roll (120 mm width)
- SCHÖNOX FC SEALING SLEEVE FLOOR
10 pieces/carton (425 x 425 mm)
- SCHÖNOX IC INTERIOR ANGLE
50 pieces/carton
(side length 120 mm)
- SCHÖNOX EC EXTERIOR ANGLE
50 pieces/carton
(side length 105 mm)
- SCHÖNOX D 8 STRETCHABLE SEALING SLEEVE
25 pieces/carton (130 x 130 mm)
Punch hole 8 mm
- SCHÖNOX D 15 STRETCHABLE SEALING SLEEVE

SCHÖNOX® ST 50/ ST 25

Pipe diameter 12 - 24 mm
25 pieces/carton (140 x 140 mm)
Punch hole 15 mm

Pipe diameter 25 - 40 mm

■ **SCHÖNOX D 21 STRETCHABLE SEALING SLEEVE**

25 pieces/carton (160 x 160 mm)
Punch hole 21 mm

Pipe diameter 35 - 50 mm

■ **SCHÖNOX D 35 STRETCHABLE SEALING SLEEVE**

25 pieces/carton (180 x 180 mm)
Punch hole 35 mm

Pipe diameter 50 - 75 mm

■ **SCHÖNOX D 65 STRETCHABLE SEALING SLEEVE**

25 pieces/carton (250 x 250 mm)
Punch hole 65 mm

Pipe diameter 70 - 125 mm

■ **SCHÖNOX SC L 20 Slope Corner**

10 pieces/carton
(height: 20 mm, corner: links)

■ **SCHÖNOX SC L 28 Slope Corner**

10 pieces/carton
(height: 28 mm, corner: links)

■ **SCHÖNOX SC R 20 Slope Corner**

10 pieces/carton
(height: 20 mm, corner: rechts)

■ **SCHÖNOX SC R 28 Slope Corner**

10 pieces/carton
(height: 28 mm, corner: rechts)

■ **SCHÖNOX MFC MULTI-FUNCTIONAL CORNER**

2 pieces/carton

■ **SCHÖNOX SB SET SHOWER a. BATH SEALING TAPE**

(Set: 10 m, radius template, 8 butyl sticks)

Storage

- Store in cool, dry conditions, protect against sunlight.
- Storage life of 2 years (in closed packaging).

Disposal

- For the disposal of product residues, waste water and containers with adherent product residues please follow the local governmental regulations.
- Cuttings as well as SCHÖNOX ST 50/ ST 25 and system components bonded

with covering can be disposed of as construction waste.

EMICODE

- EC 1^{PLUS}: 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 50/ ST 25 SEALING TAPE and SCHÖNOX 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, 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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