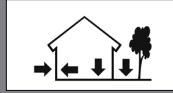


SCHÖNOX® AB 30/ AB 10

Sealing and uncoupling layer

Crack-bridging sealing sheet out of a highly tear-resistant polyethylene foil, two-sided fleece laminated for sealing in normal and highly loaded wet areas and swimming pools. For interior and exterior use. Officially approved test certificate in the sealing loading classes A,B and C. Fulfills the requirements of ETAG 022. Fulfills the W0-I to W2-I requirements according to DIN 18534.



Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- officially approved - no.: P-5121/802/11-MPA BS P-5180/861/11-MPA BS
- fulfills the W0-I to W2-I requirements according to DIN 18534
- fulfills the W3-I requirements according to DIN 18534, please ask for additional information
- high breaking strength
- crackbridging
- waterproof
- rotproof
- relieves stress
- watertight as sealing
- water vapour retarding
- decoupling
- flexible
- easy to apply
- good adhesion to SCHÖNOX tile adhesives
- suitable for application on subfloor heating systems
- for interior and exterior use (for exterior use only in combination with SCHÖNOX MSE and SCHÖNOX EP DRAIN)
- component of the SCHÖNOX BALTERRA®-system
- For details also in combination with the SMP adhesive SikaCeram-920® FoilBond. Please refer to the product data sheet of SikaCeram-920® FoilBond and ask for special advice if necessary.

Applications

SCHÖNOX AB 30/ AB 10 is especially suitable before the sealing:

- in highly loaded commercial wet rooms, such as shower rooms in sport halls, therapy rooms in hospitals and the like
- In normal loaded wet areas, moisture loading classes, for example in bathrooms and showers.

- in swimming pools in combination with ceramic coverings
- On balconies and terraces in combination with the SCHÖNOX BALTERRA®-system.
- In areas with limited chemical use (moisture loading class C according to the German abP), ask for special advice.
- For catering kitchen and car washes ask for special advice.
- SCHÖNOX AB 30/ AB 10 fulfills the requirements of ETAG 022, part 2, for watertight covering kits based on flexible sheets for walls and floors in wet rooms in combination with SCHÖNOX SYSTEM COMPONENTS. ETAG approval number ETA-12/0027.
- SCHÖNOX iFIX / SCHÖNOX AB 30/ 10 meets the requirements 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“ and the leaflet „Keramische Beläge im Schwimmbadbau - Hinweise für Planung und Ausführung“.
- SCHÖNOX iFIX / SCHÖNOX AB 30/10 is authorized by the German building supervision for the preparation of bonded sealings with membrane foils in highly loaded wet areas in the moisture loading classes A, B and C.
- The impermeability to water when installed has been tested together with SCHÖNOX iFIX®/ SCHÖNOX system components in accordance with test principles for membrane foils as well as for waterproof membranes combined with tiled finishes (AIV) up to a water pressure of 2.5 bar and is acceptable for an installation depth up to 10 m. For mounting depths > 4.0 m up to 10.0 m are only be used the tile adhesives SCHÖNOX Q12, SCHÖNOX TT S8, SCHÖNOX Q6 W and SCHÖNOX KR.

Technical data

- Color: yellow
- Sheet width: 1,00 m
- roll length: 30,0 m und 10,0 m
- Material thickness: appr. 0,5 mm
- mass per unit area: approx. 280 g/m²
- Application temperature: not below +5 °C
- Temperature resistance: -30 °C to +90 °C
- Burst pressure: 3,9 bar
- (moisture vapour resistance air equivalent) sd-value: > 96 m tested according ETAG 022
- UV-resistance: min. 500 hours



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- In the moisture loading classes A und C, SCHÖNOX AB 30/ AB 10 can be glued with tested SCHÖNOX tile adhesives.

Instruction: In application of moisture loading class B0 according to ZDB-leaflet, SCHÖNOX AB 30/ AB 10 can be applied on balconies and terraces (no roof terraces, because here special structural measures are necessary) under SCHÖNOX MSE and SCHÖNOX EP DRAIN (Please, notice the appropriate product data sheets). Roofterraces above inhabited rooms should be sealed according to the standard as well as to the flat-roof guidelines. SCHÖNOX AB 30/ AB 10 is not a substitute for a sealing according to the standard.

Substrates

SCHÖNOX AB 30/ AB 10 is suitable on:

- concrete
- masonry (fully grouted)
- cement and rapid cement screeds
- calcium sulphate based screeds
- old substrates such as ceramic tiles, natural stones and terrazzo
- 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-%)
- composite elements of polystyrene coated with mortar
- pre-cast aerated concrete wall slabs
- gypsum board

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 18 560 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 ≤ 2.0 CM-% (heating screeds ≤ 2.0 CM-%), calcium sulphate screeds should have a reading of ≤ 0.5 CM-% (heating screeds ≤ 0.3 CM-%).
- Old, ceramic coverings and natural stones should be firmly laid, thoroughly cleaned and eventually abraded.
- Poorly attached ceramic coverings should be removed and if necessary levelled with SCHÖNOX floor levelling compounds.
- Prepare calcium sulfate screeds following the BEB lealet „Hinweise zur Beurteilung und Vorbereitung der Oberfläche von Anhydritestrichen“.

Priming

- For information about priming see product data sheet SCHÖNOX iFIX®.

Recommended method of working

- **Processing according approval abP P-5121/802/11-MPA-BS in combination with SCHÖNOX iFIX™:**
- For more information about the application of SCHÖNOX AB 30/ AB 10 with SCHÖNOX iFIX™ see product data sheet 8.46, SCHÖNOX iFIX™.
- Smoothness of the substrate must be checked before laying. If needed it should be levelled with a SCHÖNOX levelling compound to allow a gluing without cavities.
- The needed sheets are cut with scissors or a cutter before working.
- Lay in SCHÖNOX AB 30/ AB 10 in the membrane adhesive like a wall paper and press in with a plastering trowel.
- It is essential to avoid bubbles under SCHÖNOX AB 30/ AB 10. We recommend to smooth it from the middle of the sheet outwards.
- SCHÖNOX AB 30/ AB 10 can be glued with abutting edge as well as overlapping.

- With overlapping laying at least 5 cm is needed. Therefore the adhesive in the border area is applied 8 cm wider as SCHÖNOX AB 30/ AB 10. Lay in SCHÖNOX AB 30/ AB 10 into the fresh adhesive bed and press in with the SCHÖNOX iFIX™ TOOL. The overlap is embedded with a thin layer of adhesive. It is essential to avoid cavities in the overlapping area.
- If glued with abutting edge, it is recommended to glue SCHÖNOX ST 50/ ST 25 sealing tape in the corner region of wall /wall and wall/floor as well as in the joint area. It is essential to avoid cavities in the joint area.
- Use prefabricated SCHÖNOX IC interior corner and SCHÖNOX EC exterior corner for corners.
- Floor drains and pipe penetrations should be furnished with SCHÖNOX FC sealing sleeve floor and SCHÖNOX D stretchable sealing sleeve wall.
- Connections to fixed built-in parts should be carried out with suitable membranes applicable with a spatula. Depending on the situation at the building site SCHÖNOX AB 30/ AB 10 or SCHÖNOX ST 50/ ST 25 sealing tape can be used to install a tight connection in combination with SCHÖNOX KR, SCHÖNOX CON BODEN(without sand) or SCHÖNOX EA PUR S.
- At movement joints and building joints as well as at perimeter joints SCHÖNOX AB 30/ AB 10 is to cut and to paste over with SCHÖNOX ST 50/ ST 25 sealing tape. SCHÖNOX ST 50/ ST 25 sealing tape can also laid in movement joints like a loop.
- On balconies and terraces (no roof terraces) lay SCHÖNOX AB 30/ AB 10 lengthwise to the slope and not crosswise. That ensures that the wall socket can be carried out with a height of at least 150 mm over the covering and drained water is not retained at splittings.
- For more information see product data sheet SCHÖNOX ST 50/ ST 25 sealing tape.
- For installing the sealing to tubs or showers with e.g. shower sealing tapes

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according to DIN 18534-1 use SCHÖNOX SB SET SHOWER and BATH SEALING TAPE SET.

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.
- More detailed processing instructions you can take from the ETAG processing guideline which you can download under www.schoenox.de or you can ask for via SCHÖNOX GmbH.

Using of SCHÖNOX AB 30/ AB 10 in class C of building authority regulated area:

- SCHÖNOX AB 30/ AB 10 should be laid with abutting edge. Afterwards splittings and end of sheets are carried out with SCHÖNOX ST 50/ST 25 sealing tape.
- The SEALING TAPE is glued with SCHÖNOX KR, SCHÖNOX CON BODEN (without sand) or SCHÖNOX EA PUR S at splittings and the end of sheets with at least 5 cm overlapping.
- Use prefabricated SCHÖNOX IC interior corner and SCHÖNOX EC exterior corner in combination with SCHÖNOX KR, SCHÖNOX CON BODEN (without sand)

or SCHÖNOX EA PUR S to carry out the corners.

- Depending on the expected load tiles are glued with the epoxy-resin thin-bed mortar SCHÖNOX KR or, if only loaded low, with the tested cementitious thin-bed mortar.
- Grouting should be carried out, depending on the load, with SCHÖNOX XR 40 or with the epoxy-resin based groutings SCHÖNOX CF DESIGN / SCHÖNOX CON BODEN.
- **Processing according approval abP P-5180/861/11-MPA-BS:**
- To make a composite membrane with SCHÖNOX AB 30/ AB 10 in the moisture loading classes A and C the bonding of the sealing membrane can also be done with the in abP (test certificate) proved tile adhesives. The carrying out of the details with the SCHÖNOX system components (sealing tape, sealing collar for walls and floors, internal- and external angles) is mandatory done with SCHÖNOX iFIX of 1K DS PREMIUM respectively in the moisture class C with the epoxy resin tile adhesive SCHÖNOX KR, CON BODEN (without sand) or SCHÖNOX EA PUR S. This kind of working is not in the sealing loading class B, swimming pools, approved.
- Floor drains should be furnished with SCHÖNOX FC sealing sleeve floor and pipe penetrations SCHÖNOX D stretchable sealing sleeve wall.

Use of SCHÖNOX AB 30/ AB 10 as uncoupling:

- SCHÖNOX AB 30/ AB 10 is glued close slotted and wrinkle free on the smooth and clean substrate with SCHÖNOX iFIX™ or with the in abP (test certificate) proved tile adhesives using a 4 mm toothing. Avoid air bubbles.
- Sheets should be close slotted. Splittings are treated using a standard crepe tape.
- Laying of the covering is done as far as possible without cavities with the in abP (test certificate) proved tile adhesives. The choice of the floor adhesive to use is depending on the covering and the load.

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- Grouting normally is done with the universal, flexible jointfiller SCHÖNOX SU. Special features depending on the covering should be respected. Observe the product data sheet of SCHÖNOX SU.
- Movement joints from the substrate must not taken over stringently. If not taken over, they must be secured against hight offset.
- Strive for compact field-sizes. L- or U-shaped fields should be separated with joints. Field-sizes should not be larger as 40 m² and max. 8 m field length.
- SCHÖNOX AB 30/ AB 10 can be used in living areas and commercial areas with a working load up to 5 KN/m².
- Stationary load: The breaking force of the used ceramic covering should be adapted to the expected load. Breaking force at least 1500 N. This is equivalent to a ceramic tile according to EN 176 < 3% (stoneware slab) with a thickness of 7,5 mm and quadratic size. We recommend to use quadratic coverings, because with retangular ones the breaking force is halve. Details how to calculate the breaking force of ceramic coverings are included in the ZDB-leaflet "Mechanically high loaded floor coverings".
- The acceptable stationary load with a contact area of 10 cm² is 3,5 KN.
- For laying of ceramic coverings on floors stoneware slabs, fully vitrified tiles, split tiles and clinker slabs according to EN 121, 176, 177, 178, 186-1 186-2, 187-1 and 187-2 from a size of 10 x 10 cm are allowed.
- For laying large-sized tiles and slabs use the Floating-Buttering method where required resp. ask for special information.
- For laying natural stones at least a thickness of 10 mm is necessary. Granite, quartzite and similar hard stones should be preferred

Packaging

- 30 m roll
- 10 m roll

Storage

- Store SCHÖNOX AB 30/ AB 10 cool, dry and horizontal.
- Storage life of 2 years.

Disposal

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

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.
- The compatibility list is available on request and on the Internet for download.

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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