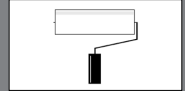
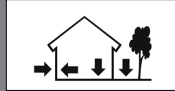


SCHÖNOX iFIX®

2K rollable waterproof adhesive

for a waterproof bonding of the crack bridging membrane SCHÖNOX AB 30/ AB 10 and SCHÖNOX system components in normal and highly loaded wet areas and swimming pools. SCHÖNOX iFIX and SCHÖNOX AB 30/ AB 10 are components of the SCHÖNOX BALTERRA®-system. SCHÖNOX iFIX is based on a self crosslinking, special acrylate-dispersion. With general German building supervision certificate in the sealing loaded class A,B and C.



Product characteristics

- EMI CODE EC 1^{PLUS}: very low emission
- self cross-linking, hydraulic rapid hardening
- watertight
- for interior and exterior use
- dust reduced
- rollable
- solvent-free
- highly flexible
- crackbridging
- suitable for application on subfloor heating systems
- frost resistant
- shrinkage-optimized
- consumption-optimized
- diffusion permeable
- high bonding strength
- resistant against ageing
- easy to apply
- component of the SCHÖNOX BALTERRA®-system
- low in chromate according to REACH

Applications

SCHÖNOX iFIX is suitable for bonding the crack bridging membrane SCHÖNOX AB:

- 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.
- SCHÖNOX iFIX/ SCHÖNOX AB 30/ AB 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 Schwimmbad-

bau - Hinweise für Planung und Ausführung“.

- SCHÖNOX iFIX/ SCHÖNOX AB 30/ AB 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 AB 30/ AB 10/ 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.
- SCHÖNOX iFIX / SCHÖNOX AB30/ AB10 fulfills the W0-I to W2-I requirements according to DIN 18534

Substrates

SCHÖNOX iFIX 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 $\geq 2,5 \text{ N/mm}^2$)
- 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

Technical data

- Color: powder component white, dispersion white
- Pot life: approx. 60 minutes at +20 °C
- Open time:¹ approx. 15 minutes
- Application temperature: not below +5 °C
- Temperature resistance: -20 °C up to +70 °C
- Ready for covering:
 - after approx. 1 hours on absorbent undergrounds
 - after approx. 12 hours on non absorbent undergrounds

¹The open time is subject to temperature- and building site related variations. Therefore check the wetting properties of the applied waterproof adhesive with the finger.

SCHÖNOX iFIX®

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.
- Old, ceramic coverings and natural stones should be firmly laid, thoroughly cleaned and eventually abraded.
- 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.
- Smooth rock pockets in concrete and coarsely porous concrete substrates using SCHÖNOX PL.
- Substrate should fulfill the requirements of DIN 18 202, tolerances in building constructions.
- With subsequent installation of ceramic coverings, cement screeds are required to be at least 28 days old. Cement heating screeds are required to display a residual moisture reading of ≤ 2.0 CM-%.
- Prepare calcium sulfate screeds following the BEB lealet „Hinweise zur Beurteilung und Vorbereitung der Oberfläche von Anhydritestrichen“.

Priming

- **normal absorbent substrates:**
priming not required
Cement screeds and concrete can be pre-wetted so that is matt-damp.
- **highly absorbent substrates:**
prime with SCHÖNOX KH (1:3) or SCHÖNOX KH FIX .
- **calcium sulphate substrates such as:**
- gypsum plaster
- gypsum fibreboards
- 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).

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

- ceramic coverings, stable, thoroughly cleaned and if necessary abraded
priming not required

Material consumption

- approx. 0,46 kg/m² dispersion + approx. 0,29 kg/m² powder

Mixing ratio

SCHÖNOX iFIX 7,8 kg Set

- 3,0 kg SCHÖNOX iFIX powdercomponent
- 4,8 kg SCHÖNOX iFIX dispersioncomponent

SCHÖNOX iFIX 2,61 kg Set

- 1,0 kg SCHÖNOX iFIX powdercomponent
- 1,61 kg SCHÖNOX iFIX dispersioncomponent

Recommended method of working

- The powdercomponent of SCHÖNOX iFIX is added to the dispersioncomponent, stirred slowly and mixed to a homogeneous and free of lumps material. Mixing time approx. 3 minutes.
- Do not add water.
- The package size of 7.8 kg makes an application within the pot life of approx. 60 minutes possible.
- If partial quantities required, mix 1.6 parts by weight dispersion : 1 part by weight powder in a mixing bucket.
- Surface sealing: equal roll on SCHÖNOX iFIX with the SCHÖNOX iFIX ROLLER 180 mm and insert the sheet membrane SCHÖNOX AB 30/ AB 10 in the fresh sealing adhesive.
- The surfaces to be sealed must each be just as big that the sheet membrane SCHÖNOX AB 30/ AB 10 can be laid, within the open time of approx. 15 minutes, into the fresh bed of sealing adhesive. Afterwards SCHÖNOX AB 30/ AB 10 can be pressed wrinkle-free with the SCHÖNOX iFIX TOOL gently rubbed in without air bubbles.
- Waterproofing detail: the execution of all details could be apply before or after the bonded sealing to the whole sur-

face, if SCHÖNOX AB 30/ AB 10 is full-surface glued with SCHÖNOX iFIX .

- The SCHÖNOX ST 50/ ST 25 sealing tape and the SCHÖNOX system components are used for the realization of details of the membrane.
- SCHÖNOX iFIX is rolled on with the SCHÖNOX iFIX ROLLER 100 mm and the accessories are laid in the fresh sealing adhesive, wrinkle-free and without air bubbles.
- Movement joints as well as floor- and wall connection joints should be bridged with SCHÖNOX ST 50/ ST 25 sealing tape, SCHÖNOX IC interior corner, SCHÖNOX EC exterior corner as well as SCHÖNOX SC slope corner.
- Floor drains and pipe penetrations should be furnished with SCHÖNOX FC sealing sleeve floor and SCHÖNOX D stretchable sealing sleeve wall.
- Install SCHÖNOX ST 50/ ST 25 sealing tape and SCHÖNOX system components at abutting edges with at least 5 cm overlapping.
- For more information regarding the sheet membrane SCHÖNOX AB 30/ AB 10, see product data sheet.
- 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.
- In areas with moveable zones, e.g. loop installing or over movement- and building joints, spare the bonded sealing in the same width.
- To guarantee the function of the membrane, this procedure must be carried out carefully.
- For more information see product data sheet SCHÖNOX ST 50/ ST 25 sealing tape.
- Clean tools in water immediately after use.
- In case of an interruption of work, the SCHÖNOX iFIX ROLLER 180 and 100 mm can be stored up to 30 minutes, rolling in a airtight plastic film. If there is protect curing material in the roller, it should be replaced by a new one.
- **Additional working instructions:**

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- SCHÖNOX iFIX can also be applied with a 3 or 4 mm toothing on the substrate.

Packaging

7,8 kg Set

- 3,0 kg paper sack (powder component)
- 4,8 kg dispersion component

2,61 kg Set

- 1,0 kg paper bag
- 1,61 kg plastic pail (dispersion component)

Storage

Powder component:

- Store SCHÖNOX iFIX powder component in cool, dry conditions.
- Storage life of 1 year (in closed packaging).

Dispersion component:

- Store SCHÖNOX iFIX dispersion component in cool, dry, frost-free conditions.
- Storage life of 1 year (in closed packaging).
- Opened packages 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^{PLUS}: very low emission

GISCODE

Powder component:

- ZP1 - cement products, low in chromate

Dispersion component:

- D1 - solvent-free dispersion adhesives and primers

Instructions

- All values are approximate and are subject to local climatic fluctuations.
- SCHÖNOX iFIX contains cement. Alkaline reaction when it comes in contact with moisture, therefore protect

skin, eyes and respiratory system. Do not breathe in dust. In case of contact rinse immediately with plenty of water. In case of contact with eyes seek additional medical advice.

- Wipe impurities immediately from the covering surface and remove residual skin using a suitable cleaning agent (e.g. SCHÖNOX FIX CLEAN).
- For working in exterior areas basically the atmospheric conditions must be stronger considered. Protect the work against imminent rainfalls with a suitable roofing.
- During the curing process the sealing may not be loaded with water.
- High temperatures accelerate, low temperatures decelerate the working and curing process.
- Direct contact with metals such as copper, zinc and aluminum is to be prevented by a pore sealing primer (SCHÖNOX GEA, 2 coats).
- Penetrations should be treated with thin bed flanges in a minimum circumferential width of 5 cm and made from a material suitable for bonding. Untreated metal surfaces, e.g. Stainless steel, gunmetal and PVC surfaces are to be primed with SCHÖNOX GEA and sand in the fresh state. If necessary obtain special information about flange systems.
- For sealing application in brine baths please ask for further information.

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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