

SCHÖNOX iFIX®

Rollable Waterproofing Sealing Adhesive and Crack Isolation System

For installations of the sheet membrane SCHÖNOX AB in residential and commercial wet areas as well as in swimming pools under ceramic tiles or stone.



Product characteristics

- EMICODE EC 1^{PLUS}; very low emission
- two component, crosslinking system
- rapid hardening
- watertight
- for interior and exterior use
- dust reduced
- solvent-free
- highly elastic
- crack bridging
- suitable on floor heating systems
- very low shrinkage
- high coverage
- can be flood tested after 16 hours drying time
- high bonding strength
- resistant against aging
- easy to apply
- crack isolation over nonstructural cracks up to 3/16" / 5 mm
- fulfills ASTM C627 (Robinson) for 'extra heavy'
- meets or exceeds ANSI A118.12 and ANSI A118.10 (to be combined with SCHÖNOX AB)

Applications

SCHÖNOX iFIX® is suitable to install for bonding of the sheet membrane SCHÖNOX AB

- in heavy loaded commercial wet rooms (such as public shower rooms or therapy rooms in hospitals)
- in residential wet areas (bathrooms and showers)
- on balconies, terraces and in swimming pools prior to the installation of ceramic tiles. Approved for pool depth of 32.8 ft. / 10 m using flexible thin sets.

Substrates

SCHÖNOX AB (installed using SCHÖNOX iFIX®) is suitable on:

- concrete, cement substrates
- gypsum based substrates (compressive strength > 2,500 psi)
- old existing substrates such as ceramic tiles, natural stones and terrazzo
- polystyrene boards coated with mortar
- wall panels of light weight concrete
- plaster
- gypsum board
- after plywood, OSB boards (interior only)
- masonry (fully grouted)

Requirements of substrate

- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion.
- Surface treatments or any "friable" areas

of the subfloor must be mechanically removed back to a sound base and the substrate repaired with SCHÖNOX repair compounds as required.

- Old adhesives should be removed completely. Do not use any chemicals to prepare approved substrates.
- With subsequent laying of ceramic coverings, cement substrates should be at least 28 days old and have a maximum moisture content of 3 lbs./1000 sq. ft/24 hrs. (per ASTM F1869) or 75% RH (per ASTM F2170). Gypsum substrates must always be dry!
- Not recommended over water sensitive substrates such as wood or gypsum exterior or in commercial areas.
- Do not use over substrates containing asbestos, dimensionally unstable substrates and substrates where hydrostatic pressure conditions exist.
- Old floors such as ceramic tiles should be thoroughly cleaned and abraded.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

Priming

■ **Gypsum based substrates and very porous substrates:**

prime with SCHÖNOX KH FIX, drying time at least 1 hour

Mixing ratio

- Set Box: Add the 7.7 lbs. / 3,5 kg SCHÖNOX iFIX® powder component to the 1.61 gallons / 7,0 kg SCHÖNOX iFIX® liquid component.

Recommended method of working

- The powder component of SCHÖNOX iFIX® is added to the acrylic component and stirred to a homogeneous mixture. The mixing time is approx. 3 minutes. Do not add any water.
- Apply SCHÖNOX iFIX® using the SCHÖNOX iFIX® ROLLER or 3/4" nap and insert the sheet membrane SCHÖNOX AB into the fresh adhesive (open time approx. 15 – 20 minutes) ensuring a sufficient wetting of the backing. Afterwards press SCHÖNOX AB gently using an appropriate tool to avoid air bubbles beneath.
- The SCHÖNOX ST SEALING TAPE and the SCHÖNOX ST-COMPONENTS are installed with SCHÖNOX iFIX® using the suitable 4" / 100 mm SCHÖNOX iFIX® ROLLER.

Technical data

- color: powder component grey, dispersion blue
- pot life: approx. 45 minutes at +70 °F / 21°C
- application temperature: not below +41 °F / 5°C
- temperature resistance: -4 °F / -20°C up to +140 °F / 60°C
- ready for covering:
 - after approx. 1 hours on porous substrates
 - after approx. 12 hours on non porous substrates
- coverage: 105 / 10 m² sq.ft. per Set

All values are approximate, are subject to local climatic fluctuations based upon conditions at 70°F / 21°C with atmosphere of less than 65 % relative humidity following the recommended mixing ratio. Do not install underlayment or topping before the substrate has dried thoroughly.



SCHÖNOX iFIX®

- Expansion joints as well as floor and wall connection joints are bridged, drains and pipe are sealed using the SCHÖNOX ST Accessories as required. Overlap at least 2" / 50 mm.
- No minimum layer thickness required as it is defined by the sheet membrane SCHÖNOX AB.
- Ceramic tiles can be installed directly over SCHÖNOX AB without the need to prime.
- The finished application of SCHÖNOX AB must cover the substrate completely without any voids. Inspect installed areas completely and let dry accordingly.
- If flood testing (per ASTM D5957) is required, allow the SCHÖNOX iFIX® system to dry 16 hours depending on conditions (temperature, humidity, porosity of substrate).
- The SCHÖNOX iFIX® system acts as a water proof, crack-isolation membrane isolating cracks (non-structural, no vertical deflection) up to a width of 3/16" / 5 mm.
- When installed as a crack-isolation membrane on floors (in dry areas without water proofing requirements) and after a drying time of approx. 16 hours, SCHÖNOX APF (minimum thickness 1/4" / 6mm; always install SCHÖNOX Foam Tape or SCHÖNOX RS-50 to any vertical structure) may be installed directly over SCHÖNOX AB without the need to prime. After a sufficient drying time of SCHÖNOX APF following the referring technical data install flexible floor coverings or wood floor as required.
- Clean tools immediately after use.

Packaging

- - Set Box:
 - 7.7 lbs. / 3,5 kg net weight in a paper bag (powder component)
 - 1.61 gallons / 7,0 kg net weight in a plastic container (liquid component)

Storage

- Store in cool, dry, frost-free conditions.
- Shelflife Powder component:
 - 1 year unopened
- Shelflife Liquid Component:
 - 1 year unopened

Disposal

- Empty packaging of all trickles and dispose of in accordance with federal, state and local waste disposal regulations.

VOC Content

- 0g/l (calculated) SCAQMD 1168

LEED

May contribute to LEED v4 in categories:

- EQc2 - 3 points
Low-Emitting Materials
- MRC4 - 1 point
Material Ingredients

Instructions

- Always install an adequate number of properly located test areas to include the finish flooring, to determine the suitability of the product for its intended use. As ceramic tile coverings vary, always contact and rely upon the manufacturer for specific directions such as maximum allowable moisture content, adhesive selection, and intended end use of the product. Low substrate temperatures and/or high ambient humidity require longer drying times.

Precautions

- SCHÖNOX iFIX® (powder component) contains Portland cement and sand aggregate. Avoid eye and skin contact. In case of contact, rinse immediately with plenty of water. In case of contact with eyes seek additional medical advice. Mix in a well ventilated area and avoid breathing powder or dust.
- Never mix with cement or additives other than SCHÖNOX approved products. Observe the basic rules of concrete work. Do not install below 41°F surface temperature. Install quickly if substrate is warm.

Prior to each use of any SCHÖNOX product, the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at www.hpsubfloors.com, or by calling the HPS SCHÖNOX Technical Service Department at 855-391-2649. Nothing contained in any SCHÖNOX materials relieves the user of the obligation to read and follow the warnings and instruction for each SCHÖNOX product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to product use. This product data sheet supersedes all previous editions.



Management system certified
to ISO 9001 and 14001 by SQS.

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