

SCHÖNOX HA

Ready Mixed, Rollable Waterproofing and Crack-Isolation Membrane

For installations under ceramic tiles or stone in residential and commercial areas.



Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- one or two coat system
- for interior use only
- ready mixed
- rapid drying
- watertight and permeable to water vapor
- highly elastic
- resistant against aging
- easy to apply
- ideal for trowel or roller application
- change of color after drying
- solvent-free
- can be flood tested after 16 hours drying time
- crack isolation over nonstructural cracks up to 1/16" / 2mm
- fulfills ASTM C627 (Robinson) for 'extra heavy'
- meets or exceeds ANSI A118.12 and ANSI A118.10

Applications

SCHÖNOX HA is suitable to install a waterproof membrane in normal and heavy loaded wet areas such as showers and bathrooms

- SCHÖNOX HA fulfills relevant American ANSI standards as well as the European ETAG 022, part 1, for bonded sealing liquid to work with for walls and floors in wet rooms combined with the SCHÖNOX ST-SEALING COMPONENTS. ETAG approval number ETA-09/0247. SCHÖNOX HA is authorized by the German building supervision for installations of bonded sealings in heavy loaded wet areas in moisture loading classes A according to the building regulation A, Part 2, Figure 2.50. and fulfills the requirements of the test principles to issue a building authority approval for liquid treated membranes combined with ceramic tiles.

Substrates

SCHÖNOX HA is suitable for sealing of:

- concrete, cement substrates
- masonry (fully grouted)
- gypsum based substrates (compressive strength > 2,500 psi)
- old substrates such as ceramic tiles
- cement plaster, lime-cement plaster
- gypsum plaster
- wall panels of light weight concrete
- gypsum board
- plywood, OSB boards

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.
- Concrete should be grinded to achieve CSP 2 prior to use of SCHÖNOX HA.
- 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 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!
- Do not use over substrates containing asbestos, dimensionally unstable substrates and 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

- **Very porous and all gypsum based substrates:** prime with SCHÖNOX KH FIX, drying time at least 1 hour

Recommended method of working

- SCHÖNOX HA is ready for use and can be applied without further stirring using a suitable tool such as a metal trowel (1/4"x3/16" or 3/16"x5/32" V-notch trowel) or a 3/8" nap roller.
- Do not add any water.
- SCHÖNOX HA is applied in a one coat application at a minimum thickness of 20 mils or 1/32" (0.5mm dry film thickness).
- The SCHÖNOX ST SEALING TAPE and the SCHÖNOX ST-COMPONENTS are installed beforehand into SCHÖNOX HA using a suitable roller.
- 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".
- Minimum Layer thickness: To ensure a waterproof installation the minimum layer thickness after drying must be 20 mils or 1/32" following the recommended coverage rate.
- Ceramic tiles can be installed directly over

Technical data

- Basis: synthetic resin dispersion
- Color: blue-grey
- Application temperature: not below + 5 °C / 41°F
- Ready for covering: after approx. 3 - 5 hours (depending on conditions and thickness)
- Coverage (at minimum thickness): approx. 200 sq.ft. per unit of 22kg / 3.8 gal. approx. 70 sq.ft. per unit of 7kg / 1.2 gal

All values are approximate at 65 °F floor temperature, are subject to local climatic fluctuations and vary according to the absorbency of the substrate and to the applicator device. Do not install any topping before previous application has dried thoroughly.



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SCHÖNOX HA after drying using a suitable ceramic tile adhesive (depending on the ceramic tiles to be installed).

- The finished application must cover the substrate completely without any voids and pinholes. Inspect and recoat areas not covered completely and let dry accordingly.
- Clean tools immediately after use.
- If flood testing (per ASTM D5957) is required, allow SCHÖNOX HA to dry 16 hours depending on conditions (temperature, humidity, porosity of substrate).
- To install SCHÖNOX HA as a crack-isolation membrane without waterproofing requirements, the membrane is applied in a one coat application at the required thickness. Apply a thickness of 1/16" (1mm dry film thickness) to isolate cracks up to 2mm, apply a coat of 1/32" (0.5mm dry film thickness) to isolate cracks up to 1mm. After complete drying of approx. 16 hours, SCHÖNOX APF, SCHÖNOX AP or SCHÖNOX AP RAPID may be installed over the crack-isolation membrane without the need for priming (thickness of underlayment above 1/8"). After drying of the underlayment following the referring technical data sheet install resilient floor coverings or wood floor as required.

Packaging

- 22 kg / 3.8 gal. in a plastic container
- 7 kg / 1.2 gal. in a plastic container

Storage

- Store in cool, dry, frost-free conditions
- Shelf life: 1 year unopened

Disposal

- Empty containers 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
- MRc2 - 1 point
Environmental Product Declaration
- MRc4 - 1 point
Material Ingredients

Environmental Product Declaration (EPD)

- Declaration number:
EPD-DIV-20140063-IBG1-EN

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

- Avoid eye and skin contact. Close container after each use. Do not reuse container. Do not flush down drains, sewers or waterways.

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.schonox.us, 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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