

Universal Acrylic Primer

for use prior to apply SCHÖNOX underlayments on porous and non-porous substrates.
Suitable for pre-treating on walls and floors following the recommended dilution rates.

Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- Benefits to Environment and Health
- dilutes with water
- for interior and exterior use
- on walls and floors
- solvent-free
- excellent penetration
- high coverage
- suitable on floor heating systems
- short waiting time
- can be applied to almost all substrates
- can be sprayed
- easy to apply
- low odor
- improves bond
- binds residual dust

Applications

SCHÖNOX VD is suitable

- **to reduce absorbency of:**
 - cement, concrete, rapid cement screed
- **to improve adhesion prior to leveling on:**
 - ceramic tiles, natural and synthetic stone, leveling compounds, old water-resistant adhesive residues and all other smooth, sound, stable and moisture-resistant substrates
- **to protect against moisture from the leveling compound on:**
 - wood, OSB boards, particle boards and gypsum substrates

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 and the subfloor repaired with SCHÖNOX underlayments as required.
- All slabs on or below grade level must be known to have an intact vapor retarder directly beneath the concrete in conformance to the relevant standards. If in doubt, please contact our SCHÖNOX representative for further advise.
- This product is not a vapor barrier and will allow free passage of moisture. Follow the directions of the floor covering manufacturer regarding the maximum allowable substrate moisture content and test the substrate prior to installing SCHÖNOX VD. Where substrate moisture exceeds the maximum allowed then application of SCHÖNOX SDG, SCHÖNOX

MR 18 or SCHÖNOX EPA may be used to suppress residual moisture (see data sheet).

- Gypsum screeds should always be dry. Do not use moisture mitigation systems on gypsum substrates.
- Gypsum screeds should be grinded and vacuumed prior to further treatment.
- Extremely porous substrates may require a second primer coat to avoid the following underlayment to be affected (pin-holing, surface irregularities). Apply second coat (undiluted) when the first coat (diluted 1:1) is dry to the touch, drying time of second coat approx. 12 hours.
- Old water-soluble adhesives should be removed completely, old water-resistant adhesives should be mechanically removed as far as possible. The complete mechanical removal of cutback (i.e. grinding, sanding, blasting) can be hazardous as old cutback adhesive may contain asbestos. Do not sand or grind adhesive residue. Harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Please consult the adhesive manufacturer and all applicable government agencies for rules and regulations concerning the removal of flooring and adhesives that contain asbestos. Prime remaining adhesive residues accordingly.
- Old floors such as ceramic tiles should be thoroughly cleaned and grinded.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

Mixing ratio

- **On porous substrates such as:**
 - cement based substrates, concrete
 apply SCHÖNOX VD diluted 1 : 3 with water
- **On non-porous, smooth, sound substrates such as:**
 - ceramic tiles
 - old water-resistant adhesive residues, removed as far as possible
 - particle board, OSB board**apply SCHÖNOX VD undiluted.** (alternatively use SCHÖNOX SHP)
- **On gypsum based substrates:**
 apply SCHÖNOX VD diluted 1 : 1 with water. (alternatively use SCHÖNOX KH FIX)

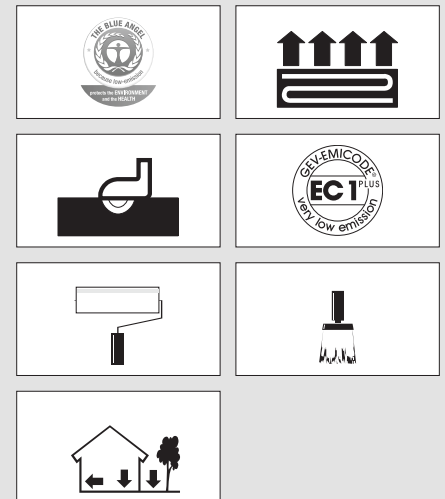
Recommended method of working

- SCHÖNOX VD is stirred or shaken before use.

Technical data

- basis: acrylic dispersion
- color: light blue
- density: 1.0 kg/l
- storage temperature: not below 41 °F
- working and substrate temperature: not below 41 °F
- coverage:
 - undiluted: approx. 1300 sq.ft. per unit;
 - diluted 1:1: approx. 1500 sq.ft. per unit;
 - diluted 1:3: approx. 2000 sq.ft. per unit
 depending on absorbency of substrate
- waiting time:
 - approx. 10 minutes on concrete, cement based substrates
 - approx. 10 min. prior to use SCHÖNOX AP or APF on gypsum based substrates
 - approx. 30 min. on low and non-porous substrates
 - approx. 2 hours on wood, OSB and particle board
 - approx. 16 hours prior to use cement based products (such as underlayments or thin-sets) on gypsum substrates

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 underlayment or topping before the substrate has dried thoroughly.



- Apply SCHÖNOX VD avoiding puddles using a suitable tool such as a 3/8" nap roller, paintbrush or brush.
- SCHÖNOX VD can be sprayed (mixing ratio 1:1 or more).
- A second application is recommended on strong absorbent substrates.
- Clean tools in water immediately after use.

Packaging

- 2.6 gallons in plastic container

Storage

- Store in cool, frost-free conditions.
- Shelf life: 1 year unopened.
- Canisters that have been opened should be closed immediately.
- Material that has been mixed with water should be used within 1 week.

Disposal

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

VOC Content

- 0g/l (calculated), SCAQMD 1113

LEED

May help contribute to LEED certification of projects in the categories:

- EQc2
Low-Emitting Materials – 1 to 3 points

Environmental Product Declaration (EPD)

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

Precautions

- Follow the product data sheets for the SCHÖNOX supplementary products mentioned and used.
- If in doubt, please obtain further manufacturer's information or test in a small area.
- Avoid eye and skin contact. Close container after each use. Do not reuse container. Do not flush primer down drains, sewers or waterways. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on product label. For complete safety information, please refer to the Material Safety Data Sheet, or visit our website at www.schonox.us.

Limitation of Liability

To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. We make no other warranty or guarantee of any kind, express or implied, including merchantability and fitness for

particular purpose. Liability, if any, is limited to replacement of the product or refund of the purchase price. Labor or cost of labor and other consequential damages are hereby excluded. SCHÖNOX does not authorize anyone, including SCHÖNOX Representatives, to make any statements which supersede, modify or supplement the information provided on its printed literature or package labels without written confirmation.

The applicable recommendations, guidelines, regulations and safety data sheets are to be observed, together with the recognized 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 SCHÖNOX management system is certified to ISO 9001 and 14001 by DQS.

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