

SCHÖNOX VD

Universal Acrylic Primer

for use prior to apply SCHÖNOX underlayments on porous substrates.
Suitable for priming 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 after dilution
- easy to apply
- low odor
- improves bond
- binds residual dust

Applications

SCHÖNOX VD is suitable

- **to reduce absorbency of:**
 - porous concrete, cement based substrates
- **to improve adhesion prior to leveling on:**
 - porous leveling compounds and other porous, smooth, sound, stable and moisture-resistant substrates
- **to protect against moisture from the leveling compound on:**
 - porous wood, OSB boards, particle boards, plywood and gypsum substrates (prefer SCHÖNOX SHP or SCHÖNOX FP)

Requirements of substrate

- Subfloors must be porous, 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 MR 18, SCHÖNOX EPA or SCHÖNOX EPA

RAPID may be used to suppress residual moisture.

- Gypsum substrates should always be dry. Do not use moisture mitigation systems on gypsum substrates.
- Gypsum substrates 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. Refer to the Resilient Floor Covering Institute's publication "recommended work practice for removal of resilient floor coverings" for instruction. Prime remaining adhesive residues accordingly.
- on non-porous substrates, specifically substrates such as epoxy or urethane based sealers/coatings, use SCHÖNOX SHP following the referring product data sheet.
- 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 gypsum based substrates:**
 - apply SCHÖNOX VD diluted 1 : 1 with water, preferably use SCHÖNOX KH FIX.
- **On wooden substrates:**
 - apply SCHÖNOX VD undiluted, preferably use SCHÖNOX SHP or SCHÖNOX FP.

Recommended method of working

- SCHÖNOX VD is stirred or shaken before use.
- Apply SCHÖNOX VD using a suitable tool such as a 3/8" nap roller, paintbrush or brush. Avoid formation of puddles.
- SCHÖNOX VD can be sprayed (mixing ratio 1:1 or more).
- Clean tools in water immediately after 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 per 2.5 gallon unit (depending on porosity of substrate):
 - diluted 1:1: approx. 1,500 sq.ft.
 - diluted 1:3: approx. 2,000 sq.ft.
- coverage per 1.25 gallon unit (depending on porosity of substrate):
 - diluted 1:1: approx. 750 sq.ft.
 - diluted 1:3: approx. 1,000 sq.ft.
- waiting time:
 - approx. 10 minutes on concrete, cement based substrates
 - approx. 10 min. prior to use SCHÖNOX AP RAPID or SCHÖNOX AP RAPID PLUS on gypsum based substrates
 - approx. 2 hours on wood, OSB and particle board (prefer SCHÖNOX SHP or SCHÖNOX FP)
 - approx. 16 hours prior to use cement based underlayments or thin-sets on gypsum substrates

All values are approximate, are subject to local climatic fluctuations based upon conditions at 70°F 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.



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Packaging

- 2.5 gallons in plastic container
- 1.25 gallons in plastic container

Storage

- Store in cool, frost-free conditions.
- Shelf life: 1 year unopened.
- 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 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-DBC-20220146-IBF1-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 floor coverings vary, always contact and rely upon the floor covering 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 for primers.

Precautions

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

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Management system certified
to ISO 9001 and 14001 by SQS.

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