

# 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<sup>PLUS</sup>: 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.



# SCHÖNOX VD

## 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

Contributes to LEED v4.1 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-20220149-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.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY • FOR PROFESSIONAL USE ONLY  
SCHÖNOX products are supplied in the USA by SCHÖNOX HPS North America, a business unit of HPS North America, Inc. (HPS SCHÖNOX).

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call GBK/Infotrac ID 1 800 535 5053 (USA) or 001 352 323 3500 (International). HPS SCHÖNOX warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESSED OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. HPS SCHÖNOX SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. HPS SCHÖNOX SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. Sale of SCHÖNOX products are subject to the Terms and Conditions of Sale which are available at [www.schonox.us](http://www.schonox.us).

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](http://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.

### In North America provided by:

HPS North America, Inc  
511 Wilhite Street Florence, AL 35630  
Phone: 256.246.0345  
Fax: 256.246.0346  
Email: [info@hpsubfloors.com](mailto:info@hpsubfloors.com)  
<http://www.hpsubfloors.com>

**SCHÖNOX**®