**Product characteristics**
- EMICODE EC 3™: 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:
  - 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

**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 advice.
- 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 PLUS, SCHÖNOX MR 18 or SCHÖNOX EPA may be used to suppress residual moisture.

**Mixing ratio**
- On porous substrates such as:
  - Cement based substrates, concrete apply SCHÖNOX VD diluted 1 : 3 with water.
  - 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.

**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.

**Packaging**
- 2.6 gallons in plastic container

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**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 unit (depending on porosity of substrate):
  - Diluted 1:1: approx. 1,500 sq.ft.
  - Diluted 1:3: approx. 2,000 sq.ft.
- 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. 2 hours on wood, OSB and particle board
  - 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.
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-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 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.

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.