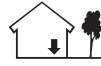


# SCHÖNOX SDG PLUS

## Rapid Drying, Ready-Mixed Acrylic Moisture Mitigation System

Suitable on unheated cement based substrates with residual moisture up to 96% RH or 18 lbs./1000 sq.ft./24 hrs. in interior areas before applying SCHÖNOX underlayments.



### Product characteristics

- EMICODE EC 1<sup>PLUS</sup>: very low emission
- rapid drying
- solvent-free
- for interior use only
- water resistant
- excellent penetration
- high coverage
- short waiting time
- ready mixed
- easy to apply
- no additional primer needed before leveling

### Applications

- To suppress moisture on unheated, moisture resistant, porous concrete with residual moisture up to 96% RH or 18 lbs./1000 sq.ft./24 hrs. before applying SCHÖNOX underlayments prior to install flexible coverings as well as wood floor.

### Requirements of substrate

- Before applying SCHÖNOX SDG PLUS, a Moisture Vapor Emission Rate per ASTM F-1869 or a relative humidity of the concrete, using ASTM F-2170 must be obtained.
- Substrates must be profiled to achieve CSP 2 - 3 prior to the use of SCHÖNOX SDG PLUS.
- Subfloors must be porous, smooth, sound, clean and free of any contaminants which may hinder adhesion.
- Approve on porosity doing a water drop test following the standards. Sprinkle water onto the surface, if water forms droplets without absorbing within 2 minutes, the surface is non porous and is probably contaminated with sealers, curing compounds, abatement chemicals or oil. Such invisible contaminants must be removed completely by mechanical methods such as shot blasting.
- Concrete must support a minimum adhesion strength of 150 psi (1 MPa) when tested per ASTM D-4541 (tensile bond test).
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the subfloor repaired with water resistant SCHÖNOX underlayments as required.
- Repair non structural cracks using SCHÖNOX SGH following the referring product data sheet. Moving joints must be honored up to the final surface.
- 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.

- To ensure an ideal, dust-free surface, vacuum the substrate properly using an industrial vacuum cleaner.
- The subfloor surface must be visually dry to ensure a suitable adhesion of the vapor barrier.
- Substrate temperature must be at least 5°F away from the dew point during application and drying to avoid condensation on the surface.
- Do not use moisture mitigation systems on gypsum based substrates.
- Do not use SCHÖNOX SDG PLUS where hydrostatic pressure conditions exist or where moisture vapor emissions exceed the recommended levels.
- The requirements of the relevant valid standards, guidelines and data sheets apply.
- Exceeding the recommended coverage rate of 400 sq.ft. per unit may jeopardize a sufficient moisture vapor suppression!

### Recommended method of working

- SCHÖNOX SDG PLUS is stirred or shaken before use.
- Apply SCHÖNOX SDG PLUS using a suitable tool such as a 3/4" nap roller avoiding puddles.
- Apply evenly across the area avoiding moving too fast allowing SCHÖNOX SDG PLUS to saturate the concrete surface. After a waiting time of approx. 15 - 30 minutes fully saturate the nap roller and begin to back roll crosswise to the prior application to evenly distribute the film over the entire surface avoiding puddles.
- After approx. 2 hours (at 65°F floor temperature) or after drying the substrate is ready for applying a SCHÖNOX leveling or smoothing compound without the need to prime.
- Clean tools in water immediately after use.

### Mixing ratio

- Apply undiluted

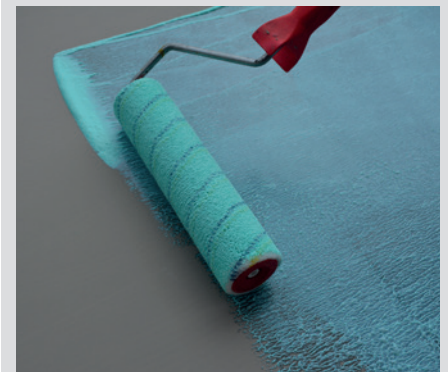
### Packaging

- 3 gallons in plastic pail

### Technical data

- basis: polymeric dispersion
- color: green
- density: 1.2 kg/l
- storage temperature: not below 41°F
- working temperature: not below 50°F floor temperature (recommended: > 65°F, relative humidity 75 %)
- coverage: approx. 400 sq.ft. per unit; the finished application must cover the substrate completely without any voids or pinholes to ensure moisture vapor suppression!
- ready for foot traffic (after back roll): approx. 1 - 2 hours
- ready for leveling (after back roll): approx. 2 hours
- Permeance (ASTM E96): ≤ 0.2 perm (1 coat , back roll)

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 SDG PLUS

## Storage

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

## 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-20140058-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.

## 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 108313 at 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.schonox.us](http://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.

### 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**<sup>®</sup>