

## Acrylic Adhesive for Resilient Flooring

suitable for bonding of Vinyl Composition, Vinyl Enhanced and Solid Vinyl Floor Tile on porous and non-porous substrates in interior areas.

### Product characteristics

- for interior use only
- VOC compliant
- low odor
- high strength
- high coverage
- moisture resistant
- easy to apply

### Applications

**SCHÖNOX VMI 91** is suitable to install

- Vinyl Composition, Vinyl Enhanced and Solid Vinyl Floor Tile on suitable, cement based substrates in interior areas.

### 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 back to a sound base.
- Moisture testings must not exceed 10 lbs. per 1000 sq. ft per 24 hrs. (according to ASTM F-1869) or 93%.(according to ASTM F-2170).
- pH levels should not exceed 11.
- Always follow the directives of the floor covering manufacturer regarding the subfloor preparation and the maximum allowable substrate moisture content and test the substrate prior to installing SCHÖNOX VMI 91 following the product data sheet.
- With subsequent laying of floor coverings on cementitious substrates, where moisture readings are above 93 %RH or 10 lbs./1000 sq.ft./24 hours then application of SCHÖNOX Moisture Mitigation Systems may be used to suppress residual moisture (see data sheet).
- Proper, firm, smooth and absorbent subfloors can be achieved using the water resistant smoothing and patching compound SCHÖNOX SL.
- 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.
- Follow the technical product information of the floor coverings manufacturers regarding specific substrate requirements for their coverings.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

### Recommended method of working

- Stir SCHÖNOX VMI 91 well before use.
- Apply the adhesive using the appropriate notched trowel (1/32" x 1/16" x 1/32") evenly over an area that can be covered within the open time of the adhesive. Testing of the recommended trowel is essential to ensure a good wetting.
- After the appropriate waiting time, the conditioned and unstressed Vinyl Tile is laid into the adhesive. On porous substrates: install flooring into wet or dry phase of the adhesive. On non-porous substrates: install during the „contact phase“ (dry to the touch). If in doubt, we recommend testing in a small area.
- Rub the covering down and roll it immediately (over non porous substrates) or after approx. 30 minutes (over porous substrates) in both directions using a 100 lb. roller. Roll again after a short waiting time.
- Wait at least 48 hours before grooving or welding.
- Remove fresh securing spots by using soapy water, dried spots clean with suitable cleaning wipes.
- Clean tools in water immediately after use.

### Packaging

- 4 gallons in plastic container

### Storage

- Store in cool, frost-free conditions.
- Shelf life: 1 year unopened.
- Containers that have been opened should be closed immediately.
- Remove any skin that has formed, do not stir in.

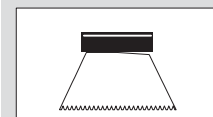
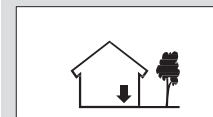
### Disposal

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

### Technical data

- Basis: acrylic dispersion with bonding additives
- Color: tan
- Density: approx. 1.20kg/l
- Storage temperature: not below 41 °F
- Working temperature: not below 59 °F
- Open time: approx. 120 min
- Drying time: approx. 48 hours
- Final strength (prior to maintenance routine): 5 days
- Coverage per 4 gal. unit when applied with notched trowel 1/32" x 1/16" x 1/32": 1280 sq. ft.

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.



## VOC Content

- 0g/l (calculated), SCAQMD 1168

## 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 adhesive 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](http://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.

### SCHÖNOX GmbH

P.O. Box 11 40  
D-48720 Rosendahl/Germany  
Phone +49 (0) 2547-910-0  
Fax +49 (0) 2547-910-101  
E-Mail [info@schoenox.de](mailto:info@schoenox.de)  
<http://www.schonox.us>

### In North America provided by:

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

