

2-Component Universal Polyurethane Adhesive

suitable for bonding vinyl and rubber floor coverings as well as other materials on porous and non-porous substrates in interior areas.

Product characteristics

- EMICODE EC 1^{PLUS} R: very low emission, regulated
- for interior use only
- solvent-free
- water free
- rapid hardening
- non-shrinking even in thicker layers
- suitable for underfloor heating systems
- low odor
- long open time
- easy to apply
- high strength values

Applications

SCHÖNOX PU 900 is suitable for bonding floor coverings, such as:

- sheet vinyl
 - synthetic rubber coverings in sheets
 - linoleum coverings in sheets
 - rubber granulate underlays
 - suitable artificial grass
- as well as for repairs of cracks in screeds on porous and non-porous substrates in heavy loaded 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 and the subfloor repaired with SCHÖNOX leveling compounds as required.
- 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.
- 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.

- With subsequent laying of floor coverings on cementitious substrates, where moisture readings are above 85% RH or 6 lbs./1000 sq.ft./24hrs then application of SCHÖNOX SDG, SCHÖNOX MR 18 or SCHÖNOX EPA may be used to suppress residual moisture (see data sheet). Always follow the directions of the floor covering manufacturer regarding the maximum allowable moisture content and test the substrate prior to installing SCHÖNOX PU 900.
- Gypsum screeds should always be dry. Do not use moisture mitigation systems on gypsum substrates.
- Sufficient adhesion on leveled substrates is achieved by using SCHÖNOX leveling compounds (layer thickness above 1/8"). Suitable floor leveling compounds: SCHÖNOX ZM RAPID, SCHÖNOX US, SCHÖNOX ZM, SCHÖNOX AP and SCHÖNOX APF.
- Refer to the technical product information of the coverings manufacturer for substrate requirements for specific coverings.
- Some unevenness in the substrate can be leveled with SCHÖNOX PU 900.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

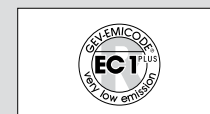
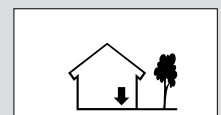
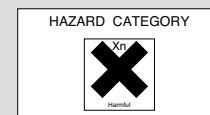
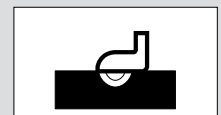
Recommended method of working

- Add the hardener component (B) to the resin component (A) and form a homogeneous mixture using a mixer.
- Wear rubber gloves and protective goggles.
- To guarantee a homogenous mixture, transfer the mixture to a clean container and repeat the mixing process.
- Coverings that are to be bonded with SCHÖNOX PU 900 should be conditioned, unstressed and in a flat position.
- Empty the adhesive out of the pail and spread the adhesive evenly using a tooth trowel. The open time is about 70 – 80 minutes.
- Lay the covering into the fresh adhesive bed, rub down or roll the covering. After 1 – 2 hours repeat the rolling process.
- For filling, sealing, closing of cracks, impacts, junctions cover the still fresh adhesive with dry silica sand (grain size 0.2 to 0.8 mm) to guarantee a secure adhesion with subsequent materials.
- Clean tool immediately after use with SCHÖNOX FIX CLEAN.

Technical data

- basis: solvent-free, two-component polyurethane, comp. A: resin component with special additives, comp. B: polyisocyanate as hardener
- colour: beige
- density: 1.74 kg/l (mixture)
- storage temperature: not below 32 °F
- temperature resistance: up to 120 °F
- working temperature: not below 59 °F floor temperature
- coverage: toothed trowel 1/8" x 1/8" x 1/16": 10 m² / 105 sq.ft. per unit
- pot life: approx. 40 min at 65 °F
- waiting time: none
- open time: approx. 70 min
- drying time: approx. 24 hours
- final strength: after approx. 24-48 hours

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.



Packaging

- 2-Component system:
 - 0.86 gallon component A (resin) in plastic container
 - 0.23 gallon component B (hardener) in plastic container

Storage

- Store in cool, dry and frost-free conditions.
- Shelf life: 6 months unopened.

Disposal

- Empty containers and dispose of in accordance with federal, state and local waste disposal regulations.
- Disposal of product surpluses, water and cleaning purposes and containers with adherent, potentially pollutant residues, must be carried out in accordance to local authority regulations.

Hazard class

- Xn harmful (for component B hardener)

VOC Content

- 0g/l (calculated), SCAQMD 1168

LEED

May help contribute to LEED certification of projects in the categories:

- EQc2
Low-Emitting Materials – 1 to 3 points

Ingredients

- The hardener component contains diphenylmethan-4,4-diisocyanat. Contains isocyanates.
- Follow the instructions of the manufacturer.

Hazard instructions

- Harmful by inhalation.
- Irritating to eyes, respiratory system and skin.
- May cause sensitization by inhalation and skin contact.

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.

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.

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