

# SCHÖNOX PU 900

## 2-Part 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<sup>PLUS</sup>; very low emission regulated
- for interior and exterior use
- solvent-free
- water free
- rapid hardening
- non-shrinking even in thicker layers
- suitable on underfloor heating systems
- low odor
- long open time
- easy to apply
- high strength

### 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 repairing of non-structural cracks in 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. 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.
- 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 substrates should always be dry. Do not use moisture mitigation systems on gypsum substrates.
- Always follow the floor covering manufacturers guidelines regarding specific substrate requirements for their 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

- Wear rubber gloves and protective goggles. Add the hardener component (B) to the resin component (A) and form a homogeneous mixture using a mixer.
- To guarantee a homogenous mixture, transfer the mixture to a clean container and repeat the mixing process.
- Floor coverings must always be conditioned, unstressed and lay flat without any deformation. Always acclimate the floor covering accordingly following the manufacturers guidelines.
- Empty the adhesive out of the pail and spread evenly on the substrate using a suitable notched trowel within the open time.
- Lay the covering into the fresh adhesive bed, rub down or roll the covering using a metal roller. After 1 – 2 hours roll again.
- SCHÖNOX PU 900 may be used as a crack repair compound to fill or seal dormant cracks or joints. The fresh adhesive is pressed into using a flat trowel. SCHÖNOX RENOTEX may be embedded into PU 900 to reinforce the repair if required. The surface of the fresh PU 900 may be sand broadcasted to ensure a suitable bond to following materials. Alternatively prime with SCHÖNOX SHP after drying.
- Clean tool immediately after use with SCHÖNOX FIX CLEAN.

### 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, frost-free conditions.

### Technical data

- basis: solvent-free, two-part urethane,
  - comp. A: resin with special additives
  - comp. B: polyisocyanate 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 per unit when applied with
  - notched trowel 1/8"x1/8"x1/16": approx. 105 sq.ft.
- 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.



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- Shelf life: 12 months unopened.
- 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.

## VOC Content

- 0g/l (calculated) SCAQMD 1168

## 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

## Precautions

- 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.
- Avoid eye and skin contact. Close container after each use. Do not reuse container. Do not flush adhesive down drains, sewers or waterways.

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