

### Solvent-free 2-component polyurethane adhesive

suitable for bonding elastic coverings, especially PVC and rubber coverings as tiles as well as a variety of other materials on absorbent and non-absorbent substrates.

### Product characteristics

- EMISSION EC 1<sup>PLUS</sup> R: very low emission, regulated
- approved by the building authorities
- Emission tested building product according to DIBt-principles - approval no.: Z-155.20-114
- for interior and exterior use
- solvent-free according to TRGS 610
- low consumption / high coverage
- waterfree
- rapid hardening
- universal suitability
- non-shrink even in higher layers
- good ridge formation
- suitable for application on subfloor heating systems
- suitable for castor wheels in accordance with EN 12 529
- low odour
- long open time
- easy to apply
- high strength values

### Applications

**SCHÖNOX PU 900 is suitable for bonding of high loaded:**

- PVC coverings as tiles
- synthetic rubber coverings as tiles
- linoleum coverings as tiles
- rubber granulat underlays
- suitable carpets of grass

**SCHÖNOX PU 900 is suitable as repairing compound:**

- for filling screed cracks and dummy joints (especially for mastic asphalt screeds)
- in combination with SCHÖNOX ARMIERUNGSGEWEBE on scruffy substrates on absorbent and non absorbent substrates in interior areas, restricted for exterior areas

### Requirements of substrate

- Adequate strength, load bearing capacity, dimensional stability and permanent dryness.
- Free of residues which reduce adhesion, e.g. dust, dirt, oil, fat and loose particles.
- Sufficient adhesion on levelled substrates is achieved by using highly quality levelling compounds (layer thickness > 2 mm). Suitable floor levelling compounds: SCHÖNOX SP, SCHÖNOX ZM, SCHÖNOX ZMF, SCHÖNOX ZM RAPID, SCHÖNOX AP, SCHÖNOX APF and SCHÖNOX AM.
- For forklift truck loading: SCHÖNOX ZM RAPID (layer thickness min. 3 mm) is recommended.
- Mastic asphalt screeds according to DIN 18 560, sanded, magnesia substrates and other non-absorbent substrates need not to be primed.
- Chipboard V 100 - laid according to DIN 68 771 - need not to be primed.
- Some unevenness in the substrate can be levelled out with SCHÖNOX PU 900.
- In order to receive the substrate requirements of the specific coverings, refer to the technical product information of the coverings manufacturer.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

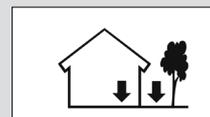
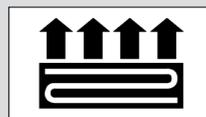
### Recommended method of working

- Add the hardener component (B) to the resin component (A) and mix it thoroughly.
- Wear suitable protective gloves and protective goggles.
- To guarantee a homogeneous mixture, transfer the residuum and remaining quantity of the plastic pail to the next pail.
- Coverings to be laid with SCHÖNOX PU 900 should be conditioned, unstressed and in a flat position.

### Technical data

- Basis: solvent-free 2-component polyurethane
- Color: cream-beige
- Density: 1,74 kg/l mixed material
- Storage temperature: not below 0 °C
- Application temperature: not below + 15 °C floor temperature
- Material consumption: notched trowel TKB A2, B1 - B3: 500 - 1000 g/m<sup>2</sup>
- Pot life: approx. 40 minutes at 18 °C
- Waiting time: none
- Open time: approx. 70 min
- Setting time: approx. 24 hours
- Final strength: after approx. 24 - 48 hours
- Further processing: after 24 - 48 hours

All values are approximate, are subject to local climatic fluctuations and vary according to the absorbency of the substrates and the applicator device.



- SCHÖNOX PU 900 should only be used at temperatures above 15 °C. The ideal working temperature is of 18 - 25 °C and a substrate temperature of 15 °C.
- Empty the adhesive out of the pail and spread evenly using a notched trowel. The open time is approx. 70 minutes at 18 °C.
- Spread the adhesive evenly on the substrate using a notched trowel. Avoid lumps of adhesive.
- Recommended trowel size: TKB A1, A2, A4, A5, B1, B2 and B3.
- Lay the covering into the fresh adhesive, rub down or roll the covering. After 1 - 2 hours rub again and repeat the rolling process.
- The right amount of adhesive is determined by the backing of the covering. Ensure that there is adequate wetting.
- Wait at least 24 hours before sealing joints.
- For filling, sealing, closing of cracks, impacts junctions cover the still fresh adhesive with SCHÖNOX QUARZSAND (grain-size 0.2 - 0.8 mm) to guarantee safe adhesion with subsequent materials.

### Packaging

- 7,05 kg combined packaging composed of:
  - 6.0 kg plastic pail component A (resin)
  - 1.05 kg plastic bottle component B (harder) inside

### Storage

- Store SCHÖNOX PU 900 in cool, dry, frost-free conditions.
- Storage life of 6 months (in closed packaging).

### Disposal

- Empty packaging scraped-out, drip-free and dispose of in accordance with the regulations.
- For the disposal of product residues, waste water and containers with adherent product residues please follow the local governmental regulations.

### EMICODE

- EC 1<sup>PLUS</sup> R: very low emission, regulated

### GISCODE

- RU1 - solvent-free polyurethane adhesive / primer

### EPD - Self-declaration

Sika Deutschland GmbH declares that the product fulfills the criteria for reaction resins polyurethane or SMP based, filled or on aqueous base, solvent-free.

### ENVIRONMENTAL PRODUCT DECLARATION

acc. to ISO 14025 and EN 15804

### Owner of declaration

FEICA - Association of the European Adhesive and Sealant Industry

### Editor

Institut für Bauen und Umwelt e.V. (IBU)

### Program owner

Institut für Bauen und Umwelt e.V. (IBU)

### Number of declaration

EPD-FEI-20150250-IBG1-EN

### Date of issue

24.09.2015

### Valid until

23.09.2020

### Risk phrases

- Information on the safe handling of chemical products, as well as the essential physical, safety-related, toxicological and ecological data can be found in the current safety data sheets. Observe all relevant regulations, e.g. the hazardous substances act. Further instructions can be found on the internet at [www.schoenox.com](http://www.schoenox.com)
- EUH 204 Contains isocyanates. May produce an allergic reaction.
- For professional use only.

### Instructions

- Wipe impurities immediately from the covering surface and remove residual skin using a suitable cleaning agent (e.g. SCHÖNOX FIX CLEAN).

- Clean tools immediately after use with SCHÖNOX FIX CLEAN.
- During the working process SCHÖNOX PU 900 may not have contact to water.
- Follow the covering manufacturer's laying instructions. If in doubt, we recommend testing a small area.
- Before laying Luxury Vinyl Tiles (LVT) using SCHÖNOX PU 900 we recommend in any case a test bonding. Ageing of the covering and differences between batches may influence the bonding.
- The BEB-leaflet "Beurteilen und Vorbereiten von Untergründen; Verlegen von elastischen und textilen Bodenbelägen, Schichtstoffelementen (Laminat), Parkett und Holzpflaster; Beheizte und unbeheizte Fußbodenkonstruktionen" should be followed.

The applicable recommendations, guidelines, DIN regulations and safety data sheets are to be observed, together with the recognised 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 Sika management system is certified to ISO 9001 and 14001 by SQS

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