



DIN  
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# SCHÖNOX® UNITECH

## Solvent-free Multipurpose Dispersion Adhesive

suitable for bonding textile coverings with PVC, foam, synthetic, latex coated or other textile coverings, PVC and CV floor coverings, as well as linoleum coverings in sheets on suitable absorbent substrates in interior areas.

### Product characteristics

- For interior use
- Suitable for wet lay adhesion
- Solvent-free following TRGS 610
- Very low consumption
- Suitable for castor wheels according to DIN EN 12529
- Suitable for shampooing according to RAL 991 A2
- Suitable for floor heating systems
- Strong stringiness
- Short waiting time
- Easily spread
- Suitable on all SCHÖNOX floor levelling compounds
- High development of bonding strength

### Applications

#### SCHÖNOX UNITECH is suitable for bonding of:

- PVC- and CV- floor coverings
- Impact sound insulation underlay's
- Textile coverings with
  - PVC backing
  - Foam backing, either smooth or embossed
  - Latex foam, latex coated or polyurethane foam backing
  - Synthetic secondary backing, jute or textile backing
  - Felt backing (suitable for castor wheels)
- Single or multi-layer needle fleece coverings
- Natural fibre coverings with backing such as coir and sisal
- Linoleum coverings in sheets  
on suitable 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 and the subfloor repaired with SCHÖNOX levelling compounds as required.
- Subfloor should have an effective damp proof membrane.
- With subsequent laying of floor coverings, where moisture readings are above 75%RH, as tested with a properly calibrated hygrometer or > 2.0 CM% then application of SCHÖNOX EG may be used to suppress residual moisture (see data sheet) Gypsum screeds should have a reading of < 0.5 CM%
- To achieve even surfaces with appropriate absorbency, the substrates should be levelled with at least 2 mm levelling compound prior to bonding of moisture-proof coverings in particular (see mode of application for SCHÖNOX floor levelling compounds).

- Refer to the technical product information of the coverings manufacturer for substrate requirements for specific coverings.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

### Technical data

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|----------------------------------|--|
| ● Basis                          | synthetic resin dispersion with bonding additives  |
| ● Color                          | bahama-beige   |
| ● Density                        | 1.40 kg/l  |
| ● Storage temperature            | not below +5 °C  |
| ● Temperature resistance         | up to +50 °C   |
| ● Working temperature            | not below +15 °C floor temperature   |
| ● Material consumption/ coverage | notched towel TKB A1-A2 approx. 300 - 350 g/m <sup>2</sup><br>notched towel TKB B1-B2 approx. 400 - 500 g/m <sup>2</sup> |
| ● Waiting time                   | approx. 10 min   |
| ● Open time                      | approx. 20 – 25 min  |
| ● Drying time                    | approx. 24 hours   |
| ● Final strength                 | after approx. 72 hours   |

All values are approximate, are subject to local climatic fluctuations and vary according to the absorbency of the substrate, reverse side of the covering and to the applicator device.

### Recommended method of working

- SCHÖNOX UNITECH is a solvent-free dispersion adhesive and should be stirred before use.
- Coverings that are to be bonded with SCHÖNOX UNITECH should be conditioned, unstressed and in a flat position.
- Spread the adhesive evenly on the substrate. Avoid lumps of adhesive. Recommended trowel size: TKB A1, A2, B1, B2.
- The correct notching is determined by the reverse side of the covering. Ensure that there is sufficient adhesive transfer.
- Textile coverings and linoleum are laid on absorbent substrates after an adequate waiting time during the „wet phase“.
- Especially for linoleum take care of the short open time of the adhesive.
- The distance between each linoleum strip should be at least the thickness of a postcard.

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- Coverings such as PVC or CV coverings with a backing that is sensitive to moisture and semi porous coverings are laid on absorbent substrates during the „semi-wet phase“.
- Using e.g. a cork board or rubbing tool, lay the covering avoiding any bubbles on the adhesive bed and then roll. Rub down seams and ends. After a waiting time, repeat the rolling process again. Weight down ends and seams if necessary.
- Wait at least 24 hours before grooving or welding joints.
- Laying stages:
  - „wet phase“: applied adhesive does not yet display any stringiness.
  - „semi-wet phase“: start of contact phase, adhesive groove domes are transparent, stringiness is present. Adhesive groove is not yet dried through.
- Direct bonding to old adhesive residues can lead to interactions and thus to unpleasant smells.

## Packaging

- 20.0 kg plastic pail

## Storage

- Store SCHÖNOX UNITECH in a cool, frost-free place.
- Shelf life 12 months.
- Containers that have been opened should be closed immediately.
- Remove any skin that has formed, do not stir in.

## Disposal

- Empty containers, scraped-out, drip-free and dispose of in accordance with the regulations.

## HAZARD CLASS

- does not apply

## Instructions

- Clean tool immediately in water with low surface tension.
- Remove fresh adhesive spots using water with low surface tension; dried-in spots should be removed using a solvent-based thinner.
- Follow the covering manufacturer's laying instructions. If in doubt, we recommend testing a small area.



The SCHÖNOX management system  
is certified to ISO 9001 and 14001 by DQS.

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.