

SCHÖNOX COMBILEIT®

Product data sheet **1.59**

Conductive universal adhesive for all conductive coverings

suitable for bonding conductive and antistatic carpet, vinyls, rubber and linoleum. A conductive primer is not necessary.

Product characteristics

- approved by the building authorities
- Emission tested building product according to DIBt-principles - approval no.: Z-155.20-168
- EMICODE EC 1^{PLUS}: very low emission
- for interior use
- conductive according to EN 14 259
- no conductive primer required
- solvent-free according to TRGS 610
- light after drying
- short waiting time
- suitable for castor wheels in accordance with EN 12 529
- suitable for shampooing according to RAL 991 A2
- suitable for application on subfloor heating systems
- suitable for difficult coverings
- suitable on all SCHÖNOX levelling compounds
- easily spread
- rapid development of bonding strength
- plasticizer-resistant

Applications

SCHÖNOX COMBILEIT is suitable for bonding of conductive and antistatic:

- textile coverings, e.g. needlefelt
- PVC floor coverings
- synthetic rubber coverings in rolls and tiles up to 3.5 mm thickness
- linoleum coverings in sheets on suitable absorbent substrates in living- and business areas (interior).

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.
- Sound, even surfaces with absorbency level appropriate to use are achieved

by using SCHÖNOX levelling compounds, layer thickness for vapor proof coverings as well as on non absorbent substrates at least 2 mm.

- Old, suitable coverings should be firmly bonded, thoroughly cleaned, abraded and should, if necessary, treated with a plasticizer barrier (e.g. SCHÖNOX FS).
- A conductive primer is not required. All 30 m² a copper strip of approx. 1 m in length should be glued to the earth potential. The distance between the copper strips must not exceed 8 m.
- A copper strip grid is only required when no adequate earth potentials are available.
- The connection to the potential neutraliser should be carried out by an approved electrical contractor.
- 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.

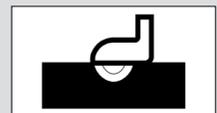
Recommended method of working

- SCHÖNOX COMBILEIT is a very low emission dispersion adhesive and should be stirred before use.
- Coverings to be laid with SCHÖNOX COMBILEIT should be conditioned, unstressed and in a flat position.
- Spread the adhesive evenly on the substrate using the spreader supplied. Avoid lumps of adhesive. During application periodically remove collected fibres from spreader.
- Recommended notched trowel: SCHÖNOX notched trowel - coarse/fine.
- The right amount of adhesive is determined by the backing of the covering. Ensure that there is adequate wetting.

Technical data

- Basis: synthetic resin dispersion with conductive additives
- Color: greyish
- Electrical resistance: according to EN 14 259: < 3 x 10⁵ Ω
- Density: 1,26 kg/l
- Storage temperature: not below + 5 °C
- Application temperature: not below + 15 °C floor temperature
- Material consumption with SCHÖNOX notched trowel:
coarse trowel: approx. 500 g/m² (carpets and linoleum)
fine trowel: approx. 300 g/m² (PVC and rubber coverings)
- Waiting time: approx. 5 - 10 min
- Open time: approx. 20 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 substrates and the applicator device.



- Non diffusion permeable coverings should be laid on absorbent substrates during the "semi-wet phase".
- Linoleum and diffusion permeable coverings like e.g. needlefelt on absorbent substrates should be laid during the "wet phase".
- Textile coverings are laid on substrates levelled with SCHÖNOX DS or SCHÖNOX FS during the "semi-wet phase".
- The distance between each linoleum sheet should be at least the thickness of a postcard.
- After laying without bubbles, rub down the covering and after a waiting time rub again or roll it.
- Wait at least 24 hours before sealing joints.
- Laying stages:
 - "wet phase": adhesive applied 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 securing to old adhesive residues can lead to interactions and thus to unpleasant smells.

Packaging

- 14.0 kg plastic pail incl. SCHÖNOX notched trowel

Storage

- Store SCHÖNOX COMBILEIT in cool, dry, frost-free conditions.
- Storage life of 1 year (in closed packaging).
- Opened bags should be closed immediately and used up as soon as possible.
- Remove any skin that has formed, do not stir in.

Disposal

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

EMICODE

- EC 1^{PLUS}: very low emission

GISCODE

- D1 - solvent-free dispersion adhesives and primers

EPD - Self-declaration

SCHÖNOX GmbH declares as a statutory member of Deutsche Bauchemie and Industrieverband Klebstoffe that the product fulfills the criteria for dispersion based products of class a.

ENVIRONMENTAL PRODUCT DECLARATION

acc. to ISO 14025 and EN 15804

Owner of declaration

Deutsche Bauchemie e.V.
Industrieverband Klebstoffe e.V.
Verband der deutschen Lack- und Druckfarbenindustrie e.V.

Editor

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

Program owner

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

Number of declaration

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Date of issue

04.04.2014

Valid until

03.04.2019

Hazard class

- does not apply

Instructions

- Clean tools immediately in water with low surface tension.
- Wipe impurities immediately from the covering surface and remove residual skin using a suitable cleaning agent (e.g. SCHÖNOX FIX CLEAN).
- Follow the covering manufacturer's laying instructions. If in doubt, we recommend testing a small area.
- 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.

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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 SCHÖNOX management system is certified to
ISO 9001 and 14001 by SQS

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