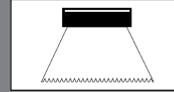
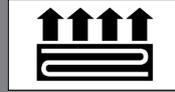


SCHÖNOX PARKETT 400

Universal wood adhesive for all kind of wood

suitable for bonding all types of parquet on suitable substrates in interior areas as well as in rooms with expected fluctuations in room climate.



Product characteristics

- approved by the building authorities
- Emission tested building product according to DIBt-principles - approval no.: Z-155.10-221
- EMICODE EC 1^{PLUS}: very low emission
- Meets the requirements of the Marine Equipment Directive (MED) 2014/90/EU
- fulfills the requirements of EN 14 293
- on many substrates no priming required
- solvent-free according to TRGS 610
- waterfree, no expansion of wood
- adhesive residues easy to remove
- optimum ridging
- hard elastic glue line
- suitable for application on subfloor heating systems
- impact sound reducing
- low odour
- one component
- ready for use
- no waiting time
- long open time

Applications

SCHÖNOX PARKETT 400 is suitable for bonding of:

- block parquet, strip parquet (≥ 15 mm thickness)
- oily types of wood
- mosaic parquet, lamparquet (see instructions)
- vertical finger parquet ($l \leq 160$ mm, $w \geq 8$ mm)
- Wood paving RE/WE according to standard (Pay attention to the details given in the product data sheet of SCHÖNOX EB V)
- multi layer parquet
- solid hardwood boards ≥ 15 mm thickness (thickness / width ratio max. 1:10)
- smoked oak (free of hurtful residual ammonia)

- SCHÖNOX insulation and uncoupling underlayments on absorbent and non absorbent substrates in interior areas
- For the gluing of solid olive parquet and thermal treated parquet we recommend SCHÖNOX PARKETT 600.
- Not suitable for parquet floors in industrial areas with hand-lift or fork-lift traffic.

Requirements of substrate

- Adequate strength, evenness, dimensional stability and dryness.
- Free of residues which reduce adhesion, e.g. dust, dirt, oil, fat and loose particles.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the subfloor repaired with SCHÖNOX levelling compounds as required.
- Old adhesive residues and levelling layers with no sufficient hardness should be removed completely by suitable mechanical means.
- The requirements of DIN 18 356 "Parquet work" and DIN 18 367 "Wood block work" are applicable.
- For massive parquet floating laid chipboard/OSB-boards should be laid in two layers, bonded and screwed with lateral offset (at least twice as thick as the used parquet)
- For straight edged parquet species and for parquet units > 800 mm length, substrate should have an evenness tolerance according to DIN 18 202 of ≤ 2 mm/m.
- The requirements according to DIN 68 702 apply to wood block flooring.
- Sound, even surfaces with absorbency level appropriate to use are achieved by using SCHÖNOX ZM, SCHÖNOX HS 10, SCHÖNOX HS 50, SCHÖNOX HS 10F or SCHÖNOX ZM RAPID.

Technical data

- Basis: SMP
- Color: beige
- Density: 1,7 kg/l
- Storage temperature: not below $+ 5$ °C
- Application temperature: not below $+ 18$ °C, not above 65 % rel. air humidity
- Material consumption: notched trowel TKB B6, B10: ca. 800 - 900 g/m²
notched trowel TKB B11, B15: ca. 1000 - 1200 g/m²
- Waiting time: none
- Skin formation: after approx. 30 min
- Open time: approx. 30 - 45 min
- Setting time: approx. 24 hours
- Further processing of the wood: after 24 to 48 hours¹

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

¹With adjusted relation of humidity of the wood to humidity in the air at the site possible



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- SCHÖNOX APF and SCHÖNOX AM are also suitable for laying parquet on. Ensure the levelling compound is well dried through.
- On mineral substrates SCHÖNOX VD FIX can be used to bind adherent residual dust before laying parquet (drying time ≥ 60 min.).
- Mastic asphalt screeds, resistance to indentation class IC 10 and IC 15, should be primed with a single-layer SCHÖNOX HP RAPID (Drying time min. 2 hours).
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.
- Refer to the parquet manufacturer's technical product information for parquet substrate requirements.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

Recommended method of working

Laying parquet:

- SCHÖNOX PARKETT 400 is ready for use.
- Parquet that is bonded with SCHÖNOX PARKETT 400 should be conditioned and requires a wood humidity corresponding to the medium seasonal climate of 20 °C and 50 % rh (normally wood humidity at average $9\% \pm 2\%$ for single bars; multi-layer parquet $8\% \pm 2\%$, wood block 8 to 12%).
- The moisture content of massive parquet should be detected before laying according to EN 13 183-2.
- For laying parquet there is an optimum room climate - room temperature > 18 °C, relative humidity $< 65\%$ - assumed. As a basic rule applies: room climatic laying conditions = room climatic using conditions. With a wood humidity of normally 9 % a room temperature of 22 °C and a relative humidity of approx. 50 % is necessary. This equates to the wood-physical laws and the optimal climate for parquet floors.
- Spread the adhesive evenly on the substrate using a notched trowel. Choose

trowel according to the needed amount of adhesive.

- Apply only as much adhesive as can be laid with parquet within 30 - 45 min.
- Lay the parquet directly into the adhesive with light sliding. Tap it firmly and, if necessary weigh it down. Ensure adequate wetting. If wetting is insufficient, take toothing next in size.
- The distance between the wall and the parquet to be laid should be, depending on the kind of parquet and the kind of wood, at least equal to the thickness of the material.
- Sand and seal not before the adhesive is fully cured.

Packaging

- 18,0 kg plastic pail

Storage

- Store SCHÖNOX PARKETT 400 in cool, dry, frost-free conditions.
- Storage life of 1 year (in closed packaging).
- Opened packages 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

- RS 10 - laying materials methoxysilane based

EPD - Self-declaration

Sika Deutschland GmbH declares that the product fullfills the criteria for reaction resins based on polyurethane or SMP, filled or aqueous, 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

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Date of issue

24.09.2015

Valid until

23.09.2021

Instructions

- When laying parquet without tongue and groove, please ensure complete wetting by choosing a suitable toothing. Primarily at the ends, inadequate wetting can lead to moving of the parquet planks on the elastic adhesive ridge. After laying and a waiting time of appr. 30 minutes roll the parquet with a roller. It might be necessary to level the substrate to achieve adequate evenness.
- A strong increase of wood moisture of massive parquet can lead to irreversible deformation.
- Take care to ensure that no adhesive is squeezed between the parquet elements. Carefully insert each element in to the adhesive bed and press evenly.
- Cover the adhesive with a plastic sheet after partial removal to stop the adhesive hardening with the air humidity. Remove any skin already formed.
- Clean tools immediately after use with SCHÖNOX FIX CLEAN.
- Wipe off impurities on sealed surfaces immediately and remove residual bloom with a suitable cleaning agent (e.g. SCHÖNOX FIX CLEAN).
- Hardened material can only be removed mechanically.

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- Follow the parquet manufacturer's laying instructions. If in doubt, we recommend testing a small area.
- The product data sheets of further add-on products should be observed.

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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