

PRODUCT DATA SHEET

SikaBond®-52 Parquet

Solvent-free Elastic Bonding and Acoustical Dampening for Wood Floors

PRODUCT DESCRIPTION

SikaBond®-52 Parquet is a 1-component, solvent-free, wood flooring adhesive for professional use. Ideal for bonding wood floors using liquid batten/beaded applications due to its good initial tack and low sag flow. Use with solid, engineered, parquet wood floors and chipboard.

WHERE TO USE

For the Sika® AcouBond®-System:

Solid wood boards (tongued and grooved), 3-ply engineered wood, chipboard, plywood and herringbone blocks can all be bonded. For detailed application instructions refer to the Product Data Sheet of the Sika® AcouBond®-System, or contact our Technical Department

For Beaded Application:

Solid wood boards, 3-ply engineered wood can be bonded

Subfloor types:

- Concrete (at least 28 days old) over
- Sikascreed®-40
- T&G Exterior Grade Plywood
- T&G Sturd-I-Floor® Oriented strand board (OSB)
- Properly prepared existing terrazzo floors
- Properly prepared existing ceramic tiles

Underlayments:

- Sikalevel®-115 Skim Coat
- Sikalevel®-125

CHARACTERISTICS / ADVANTAGES

- 1-component, ready to use
- Fast curing properties Floor can be sanded after 12 hours (full surface bonding, +23°C / 50% r. h., up to 1 mm adhesive thickness)
- Excellent workability, very easy to extrude.
- Good initial tack
- Elastic, footfall sound-dampening adhesive when used in combination with Sika® Layer-03 (as part of Sika® AcouBond® System)
- Suitable for most common types of wood floors. Especially suitable for problematic woods including beech, maple and bamboo
- Suitable for bonding wood floors directly onto old ceramic tiles
- Reduces stress to the substrate: the elastic adhesive reduces stress transfer between the wood floor and the substrate
- Compensates for some substrate unevenness.
- Adhesive can be sanded
- Solvent free

ENVIRONMENTAL INFORMATION

- LEED® EQc 4.1
- SCAQMD, Rule 1168
- BAAQMD, Reg. 8, Rule 51

PRODUCT INFORMATION

Composition / Manufacturing	Polyurethane I-Cure technology	
Packaging	600 ml foil pack (20 US fl. oz)	20 foil packs per box
	1800 ml foil pack (60 US fl. oz)	6 foil packs per box
Colour	Parquet brown	
Shelf Life	12 months from date of production	
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 5 °C and 25 °C. Always refer to packaging.	
Density	Approximately 1.30 kg/l	(ISO 1183-1)

TECHNICAL INFORMATION

Shore A Hardness	Approximately 35 (after 28 days)	(ISO 868)
Tensile Strength	Approximately 1.4 MPa	(ISO 37)
Elongation at Break	Approximately 600 %	(ISO 37)
Shear Strength	Approximately 1.1 MPa (1 mm adhesive thickness)	(ISO 17178)
Service Temperature	Minimum 5 °C / maximum 40 °C	

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- SikaBond®-52 Parquet is only suitable for use by professional wood floor applicators.
For the Sika® AcouBond-System, Beaded Application. The following limitations apply:
- Substrate moisture content measurements alone are not a sufficient basis for the wood flooring installer to decide on readiness for covering. Other tests must be considered as mentioned for existing cementitious sub-floors and new screeds. Tests must be appropriate to the type of floor covering, composition, behaviour of existing sub-floor, new screed and job site ambient conditions.
- The surface of the substrate must meet the strength requirements of the wood flooring manufacturer. Testing the tensile strength of the substrate alone is not sufficient to assess the surface condition. Additional criteria such as roughness, absorbency and cleanliness must also be evaluated. For wood floor bonding, a minimal tensile strength of ≥ 1 MPa.
- If there is any doubt the floor substrate cannot satisfy the moisture or surface conditions, the installation must not progress. Alternative floor products that can improve the substrate conditions must be considered such as surface hardeners or thin layer overlays. Contact Sika Technical Services for additional information.
- Reference must be made to the wood flooring manufacturer's installation instructions and recommendations.
- For good workability, the adhesive temperature shall be ≥ 15 °C.
- Be aware of jobsite relative air humidity conditions. For proper curing of the adhesive, sufficient ambient humidity / moisture is necessary.
- A preliminary adhesion test must be carried out before any application onto glazed tiles.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and other similar plasticized synthetic materials.
- Incompatible floor primers can negatively influence the adhesion of SikaBond®-52 Parquet. Preliminary trials must be carried out before using for full application.
- When laying wood flooring without tongue and grooved joints, e.g. mosaic parquet floors. Avoid the adhesive extruding into the joints between the wood pieces.
- Avoid contact between any wood floor surface sealer coating and adhesive. If direct contact with the adhesive is unavoidable, then compatibility must be checked and confirmed before the use of any coatings.

Contact Sika Technical Services for additional information.

- Do not expose uncured SikaBond®-52 Parquet to alcohol containing products as they may interfere with the curing reaction.
- Minimum wood size: length 300 mm (12 in) (over 3 adhesive beads), width 50 mm (2 in), thickness 12 mm (1/2 in). Maximum wood size: thickness 28 mm (1 3/32 in).
- SikaBond®-52 Parquet is for bond only and offers no moisture vapor protection. As a result, SikaBond®-52 Parquet should only be used on subfloors that have moisture mitigation or environmental controls beneath, matching the temperature and humidity levels of the space above "in service" conditions. Concrete slabs that are in contact with the soil must be placed over a vapour barrier. The vapour barrier must be resistant to deterioration as well as to puncture during construction, and must remain intact and be continuous under the entire slab.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

General

Preparation is a critical step in the installation process and will ensure a successful long term tenacious bond. All substrates must be structurally sound, clean, dry, smooth, free of voids, projections, loose materials, oil, grease, sealers and other surface contaminants or any contaminants or conditions that may affect adhesion or overall product performances. Remove laitance or weak areas mechanically. Surfaces should be thoroughly cleaned with an industrial vacuum scrubbing the surface with a brush attachment.

Surfaces shall be flat, plumb and true with a maximum permissible variation of 4.5 mm in 3.05 m (3/16 in. in 10 feet) or more than 2 mm in 600 mm (5/64 in. in 2 feet) from the required plane.

SikaBond®-52 Parquet may be used over all properly prepared substrates common to hardwood flooring installations including cured concrete, exterior grade T&G plywood, T&G OSB subfloor Rated Sturd-I-Floor (offering a minimum 200-day no-sand warranty), well bonded and properly prepared existing sound ceramic tile, SikaLevel-115 Skim Coat and

SikaLevel underlayments and properly prepared sound and solid terrazzo.

MIXING

1-part ready to use

APPLICATION METHOD / TOOLS

Sika® AcouBond®-System:

For detailed application instructions refer to the Product Data Sheet for the Sika® AcouBond®-System, or contact Sika Canada.

Beaded Application:

After inserting a sausage into the gun, extrude a triangular shaped bead of adhesive approximately 10 mm (3/8 in) high and 8 mm (5/16 in) wide (depending on the wood floor type) on the prepared subfloor. The distance between beads may not exceed 150 mm (6 in). Press the wood pieces firmly into the adhesive (at a right angle to the adhesive beads). The pieces can then be joined together using a hammer and an impact block. The required distance from the wall to the wood floor which is provided by the laying instructions from the wood floor manufacturer must be maintained.

The floor shall be walked on and/or sanded 24 to 48 hours after installation (+23 °C / 50 % R.H.) up to 1 mm (3/64 in) adhesive thickness depending on the environmental conditions and adhesive layer thickness.

CLEAN UP

SikaBond®-52 Parquet is extremely difficult to remove when cured. Immediately clean any adhesive from tools with Sika® Cleaning Wipes-120 before the adhesive cures.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising

out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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