

TECHNICAL DATASHEET

PENOSIL Premium Floor&Wall ParquetFix 749

Silan modified polymer-based ready-for-use single-component parquet adhesive. The adhesive is moisture-curing and forms an elastic connection that reduces the shear stress between the parquet and substrate, thereby compensating the expansion and shrinkage of wood. At the same time, it ensures an optimum step noise insulation and reduces the room noise by up to 13 dB, depending on the parquet type. A long application time and a stable form of the adhesive as well as the possibility to load and treat the parquet in already 24 hours are its advantages. ParquetFix does not contain silicones, isocyanates, unhealthy aromatic hydrocarbons, terpenes, plasticisers, substances emitting formaldehyde or halogen organic compounds.

Field of applications

Used for installation of massive, mosaic, slatted, two-/three-layer parquet (DIN/EN 13489), industrial parquet, and wooden boarding. Suitable substrates are cement, self-levelling compounds, plasterboard, magnesium oxide plate, concrete, fibre board, and many putty substrates (previous testing is required). Parquet adhesive is also suitable for water heated floors.

Application conditions

Usage temperature between +5 °C to +30 °C, optimum usage temperature between +18 °C to +25 °C. Air humidity should not exceed 65% during application.

Not suitable for substrates containing plasticisers nor on asphalt floors. In case of wood treated with chemicals or containing large amount of oil, the adhesion and compatibility should be tested.

Do not use on moist, uninsulated substrate. Adhesive doesn't substitute insulation or protect wood from moisture.

Application instructions

Preparation: The substrate should be ready for installation, i.e. strong, clean, dry, oil and dust free. Usage conditions should be checked in accordance with effective construction requirements and DIN 18356 (parquet works). Grind cement and anhydrite floors, self-levelling anhydrite floors and uneven, older and substrates with no bearing capacity, until a strong, adhering surface is formed. After grinding, completely remove the dust from the floor.

In case of > 800 mm parquet elements, an evenness tolerance of ≤2 mm according to DIN 18202 has to be ensured.

Admissible moisture content of substrate:

	Floor heating	
	No	Yes
Cement floors	< 2,5%	< 1,8%
Anhydrite floor	< 0,5%	< 0,3%
Magnesite floor	< 3–12%	< 3–12%

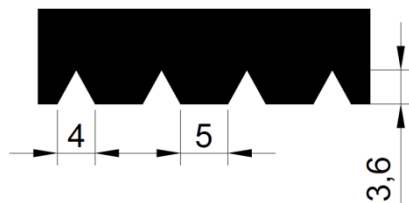
Gluing: Let the adhesive achieve room temperature. Cut the corner of a foil bag and press the adhesive out from the package. Apply the adhesive to the substrate by using a notch trowel to an area that can be covered within the application time. Press the parquet elements in the adhesive, shift to the correct position and bring together by using an installation hammer, thereby following the instructions of the parquet manufacturer. No glue can get between the parquet elements. Any adhesive on the

parquet must be immediately removed. Weights must be used to fix the flooring approximately 15 - 20 kg/m².

Consumption approximately 1-1,7kg/m² depends of the notch trowel, subfloor and flooring. It is important that minimum 1 kg adhesive is used for 1 m². If necessary use bigger trowel for more adhesive. It is recommended to make a test job to evaluate the working conditions.

After the job close the corner of the foil bag with clamp to avoid curing.

For 1kg/m² use the trowel



Cleaning

Use PENOSIL Premium Cleaning Wipes or organic solvents such as acetone or white spirit for removing uncured adhesive. When removing adhesive from parquet, consider the surface material, a universal cleaning agent for uncured adhesive is usually denaturated spirit.

Cured adhesive should be removed mechanically.

Technical data

Property	Unit	Value
Application time	minutes	up to 30
Skin forming time	minutes	30–40
Drying time	mm/24h	2,5–3
Density	g/cm ³	1,7±0,1
Characteristics after curing		
Final elongation (ISO8339)	%	182
Elasticity recovery	%	70
Modulus of elasticity at elongation (ISO 8339)	N/mm ²	1,0
Tensile strength (ISO37)	N/mm ²	2,0
Change in volume	%	<4
Hardness (Shore A)		37±5
Temperature resistance after drying	°C	-20 to +80

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified.

Colour

Brown.

Package

Foil package 600 ml, 20 pcs in a box.
3,5l / 5kg foil package in plastic bucket.
10l /3x5kg foil packages in plastic bucket.

Storage conditions

Guaranteed storage time 24 months starting from the date of manufacture if stored in a closed original package in a dry place between +5 °C and +25 °C, avoid freezing.

Adhesive preserves in an opened package when covered with overwrap foil and closed lid.

Safety regulations

Ensure sufficient ventilation during application. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep out of the reach of children.

More information available on the product safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, we are not liable for the results achieved. It is recommended to test product suitability at the place of application.