

## TECHNICAL DATA SHEET

# PENOSIL Floor&Wall ParquetFix 749

Silane 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. Glue does not contain silicones, isocyanates, unhealthy aromatic hydrocarbons, terpenes, plasticisers, substances emitting formaldehyde or halogen organic compounds.

- Load and treat the parquet in already 24 hours.
- Compensating the expansion and shrinkage of wood.
- Long application time.
- Parquet adhesive is also suitable for water heated floors.

### Fields of application

- Used for installation of massive, mosaic, slatted, two-/three-layer parquet (DIN/EN 13489).
- Industrial parquet, and wooden boarding.

### Adhering

Adheres well to cement, self-levelling compounds, plasterboard, magnesium oxide plate, concrete, fibre board, and many putty substrates.

### Application instructions

#### Application conditions

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

#### Surface 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). If not, 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  $\leq 2$  mm according to DIN 18202 has to be ensured.

Admissible moisture content of substrate:

Cement floor, floor heating No <2,5%; Yes <1,8%

Anhydrite floor, floor heating No <0,5%; Yes <0,3%

Magnesite floor, floor heating No 3-12%; Yes 3-12%

#### Application method

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/m<sup>2</sup>.

Consumption approximately 1-1,7kg/m<sup>2</sup> depends of the notch trowel, subfloor and flooring. It is important that minimum 1 kg adhesive is used for 1 m<sup>2</sup>. 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/m<sup>2</sup> use the trowel B6.

## Cleaning

Clean the uncured adhesive with solvent such as acetone or use PENOSIL Cleaning Wipes. Cured adhesive can only be removed mechanically.

## Technical data

Properties	Value	Unit
Consumption	1	kg/m <sup>2</sup>
Basis	Hybrid	
Consistency	Liquid paste	
Density (DIN 53 479-B)	1,7	g/ml
Open time	30...40	min
Curing rate	2...3	mm/24h
Curing time	24	hours
Loss of volume (ISO10563)	<4	
Application temperature	+5...+30	°C
Service temperature	-20...+80	°C
Shelf life	24	months
Shore A hardness (ISO 868)	48	
<b>Properties of cured sealant</b>		
E-Modulus 100% (ISO 8339)	1	N/mm <sup>2</sup>
Elongation at break (ISO 8339)	182	%
E-Modulus 100% (ISO 37)	1,2	N/mm <sup>2</sup>
Tensile strength (ISO 37)	1,4	N/mm <sup>2</sup>
Elongation at break (ISO 37)	215	%

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

## Colour

Brown

## Package

5kg bucket.  
15kg bucket.

## Storage conditions and shelf life

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.

## Limitations

- 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.

## Safety regulations

Ensure sufficient ventilation during application and wear necessary personal protective equipment. More specific safety information is available on the 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, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice.  
This TDS replaces and supersedes all previous data sheets on the same product.