

TECHNICAL DATA SHEET

PENOSIL ParquetFix Easy 748

Parquet adhesive is solvent and water-free, fast curing and ready to use elastic flooring adhesive, based upon new hybrid polymer technology, curing through contact with moisture. Product has been specially designed for direct bonding all types of parquet flooring on many porous and non-porous surfaces, such as concrete, cement, terrazzo, wood and wooden materials, metal decking, ceramic tiles, etc.

- 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

- Suitable for bonding of all types of wooden floors such as solid, stab, pre-finished, and on-end parquet, wood-plank, woodblock and laminates.
- Suitable for bonding both solid and engineered flooring 5-30mm thick. Adhesive properties suggest a maximum width that can be bonded is 260mm for solid wood and 300mm for engineered wood.
- Product can be used on many porous and non-porous substrates such as sand cement screeds, concrete, wood and chipboard, including floors with underfloor heating.

Adhering

- Cement, self-levelling compounds
- Plasterboard
- Magnesium oxide plate
- Concrete
- Fiberboard
- Many putty substrates

Application instructions

Application conditions

Application temperature between +10 °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 ≤ 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. 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 on 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.

For 1kg/m² use the trowel B6.

Cleaning

Clean the uncured adhesive with solvent such as acetone or use special cleaning wipes. Cured adhesive can only be removed mechanically.

Technical data

Properties	Value	Unit
Basis	Hybrid	
Consistency	Liquid paste	
Density (DIN 53 479-B)	1,7	g/ml
Open time	20...30	min
Curing rate	2...3	mm/24h
Curing time	24	hours
Application temperature	+10...+30	°C
Service temperature	-40...+90	°C
Shore A hardness (ISO 868)	55	
Tensile strength (ISO 37)	1,3	N/mm ²

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

Light brown.

Package

16kg bucket.

Storage conditions and shelf life

Guaranteed storage time 12 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).

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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.