

Parquet Data Sheet

HARO PARQUET 2500, 3000, 4000, Longstrip and Plank 1-Strip/Toscana.

Construction

HARO PARQUET 2500/3000/4000 Longstrip / Plank 1-Strip / Toscana is a high-quality multilayer parquet product by Hamberger Flooring GmbH & Co. KG with the following construction:

1. Surface finish: PERMADUR® natural matt finish, bioTec® oil/wax finish or naturaLin® plus natural oil surface
2. Top layer: approx. 2.7 mm / 3/32" (2500),
approx. 2.5 mm / 3/32" (3000),
approx. 3.5 mm / 1/8" (4000) thick precious wood layer
3. Middle layer: Solid spruce fingerstrips or HDF E1 coreboard (only 3000)
4. Backing board: Softwood veneer
5. Back of the board: Optional Silent Pro® insulation layer or ComforTec



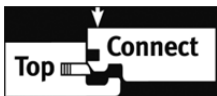
Dimensions

Basis: DIN EN 13489. The underlying stricter company standard is stated along with the respective comparative value of the DIN EN 13489. All information applies to a dispatch moisture of 5-9%.

Length	Width	Total thickness	Top layer thickness
2202/2210 mm (86 5/8" / 87") 1085/1095mm (42 23/32" / 43 1/8") (SL) 1000 mm (39 13/32") (Toscana)	180 mm or 173mm (7 3/32" or 6 13/16") 120 mm (4 23/32") (Toscana)	approx. 12.4 mm (2500) (1/2") approx. 11.0 mm (3000) (7/16") approx. 13.5 mm (4000) (17/32")	approx. 2.7 mm (2500) (3/32") approx. 2.5 mm (3000) (3/32") approx. 3.5 mm (4000) (1/8")
maximum deviation: ±1mm (DIN EN 13489: no information)	maximum deviation: ±0.1mm (DIN EN 13489:±0.2mm)	maximum deviation: ±0.3mm (DIN EN 13489: no information)	maximum deviation: ±0.2mm (DIN EN 13489: >2.5mm)

Installation system

The patented glueless installation system provides an easy, perfect-fit and permanent installation of the parquet floor.



On the short sides: Lock-in system
On the long sides: Angle-in to lock it



On the short sides: horizontally clicked
On the long sides: Angle-in to lock it

Surface finish

HARO PARQUET 4000 Longstrip / Plank 1-Strip can optionally be provided with one of the following surface refinements:

	PERMADUR® VERSIEGELUNG NATURALMATT	bioTec ÖL/WACHS FINISH	naturaLin® plus NATUROL-OBERFLÄCHE
Character	Hard-wearing finish	Close-to-nature oil/wax surface finish	Natural oil surface that allows the wood to breathe
Ingredients	Performance-optimised acrylic resin	mainly sunflower oil, thistle oil and carnauba wax	Ingredients based on renewable raw materials
How it works	High-grade, UV-cured acrylic resins coat the wood with a 40-50 µm thick protective varnish, making the parquet surface resistant to abrasion, scratches and stains. This ensures a varnish abrasion of ≥ 2000 rotations on smooth surfaces in accordance with DIN EN 13696.	Carnauba wax, the hardest of all natural waxes, forms an effectively protective film with a close-to-nature matt shine on the floor surface. Sunflower oil and thistle oil are absorbed into the upper layers of the parquet floor. They impregnate the wood and emphasise its beautiful natural grain.	The floor care oil is based on natural ingredients. It penetrates deep into the pores of the wood and protects the parquet floor from dirt and from drying out. The wood can breathe and retains its natural look and feel.



Performance specifications

Reaction to fire [DIN EN 13501-1]	Slip resistance [DIN 51130]	Formaldehyde emissions [DIN EN 717-1]	VOC emissions [AgBB-Scheme/Blue Angel]
$C_{fl}S1^*$ or $D_{fl}S1$	R9 / R10*	≤ 0.05 ppm	≤ 300 ppm
D_{fl} = normally flammable C_{fl} = flame-resistant * C_{fl} for selected wood species with PERMADUR®-finished surfaces (on request)	fulfils the requirements of occupational safety in accordance with BGR 181; please follow the installation instructions * only for naturaLin® plus	meets the requirements of the Blue Angel - therefore it is at least 50% below the E1 limit value.	Wood is an organic material and therefore emits volatile organic compounds (VOC). This is constantly and strictly monitored. Therefore, HARO Parquet fulfils the criteria of the Blue Angel as well as the valid European emissions allowances.

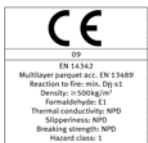
Bond strength [DIN EN 204]	Thermal resistance	Weight per unit area	Castor chair resistance [DIN EN 425]
$\geq D3$	0.098 m ² k/W (2500) 0.076 m ² k/W (3000) 0.11 m ² k/W (4000)	6.81 kg/m ² (2500) 8.99 kg/m ² (3000) 7.41 kg/m ² (4000)	> 25000 cycles
D3 = Stress group for indoor areas of high quality	Thermal conductivity value; limit value max. for underfloor heating is 0.15 m ² K/W	Wood is a natural material and affected by growth-related density variations. Therefore the data may slightly differ.	no changes in bond strength or impairment of the connection system.

Insulation layer

The parquet can optionally be provided with a Silent Pro® insulation layer or with ComforTec. Please pay attention to the data sheets of the insulation layer.

	Thickness	Thermal resistance	Indoor sound improvement	Footfall improvement
	approx. 2 mm / 3/32"	0.01 m ² K/W	approx. 30%	approx. 18 dB
	approx. 2 mm / 3/32"	0.04 m ² K/W	approx. 60%	approx. 14 dB

Certificates



Hamberger Flooring GmbH & Co.KG - Production Engineering

Quality management system Form PT 7.3/02/00/00/0103.1 v. 21.07.11-gb