

Prefabricated sports flooring system

area elastic sport floors
composed of an elastic layer and
a bend-resistant load-distribution layer



Size of the elements: 1500 mm x 1500 mm



We reserve the right to modify any technical specification.

Properties	Standards	Requirements	Results DYNALOC P
Load-distribution layer			
Thickness			12 mm
Species			Birch plywood
Bending strength	EN 636 F40	≥60 N/mm ²	≥ 60 N/mm ²
The bending strength of birch plywood is 2-4 times higher than chipboard, OSB and MDF panels			
Formaldehyde emission	EN 717-2	< 3,5 mg/m ² h	0,1 mg/m ² h
The formaldehyde emission is 35 times under the permitted limit			
Elastic layer			
PUR foam			Reticulated foam
Thickness			20 mm
Weight			80 kg/m ³
Engineered wooden parquet		2 layers, 1 strip, tongue & groove	
Thickness			10 mm
Length			490 mm
Width			70 mm
Wear layer			3,4 mm
Total system with engineered wooden flooring			
Total thickness			42 mm
Shock absorption	EN 14904	≥55% < 75%	55%*
Vertical deformation	EN 14904	≥ 2,3 mm < 5 mm	3,0*
Ball rebound	EN 14904	≥ 90%	94%*
Shock absorption	DIN 18032-2	≥ 53 %	54-61 %
Vertical deformation	DIN 18032-2	≥ 2,3 mm	2,4-3,8 mm
Ball rebound	DIN 18032-2	≥ 90 %	92-96 %
Deformation mould W 500 1-4	DIN 18032-2	≤ 20%	2-6 %
Resistance to a rolling load	DIN 18032-2	1500 N	No damage
Impact absorption	1 ms		75 %
Impact absorption	2 ms		69 %
Impact absorption	3 ms		72 %
Primary mass			15,69 kg/m ²
Mould surface			0,86 m ²
Contributing inertial mass			7,16 kg
Sound propagation			Low
Vibrations			No
Installation			Prefabricated
Certificated by			ISP
Quality controlling			DIN CERTCO

* average values