

## Data sheet HARO Multivo wood performance floor

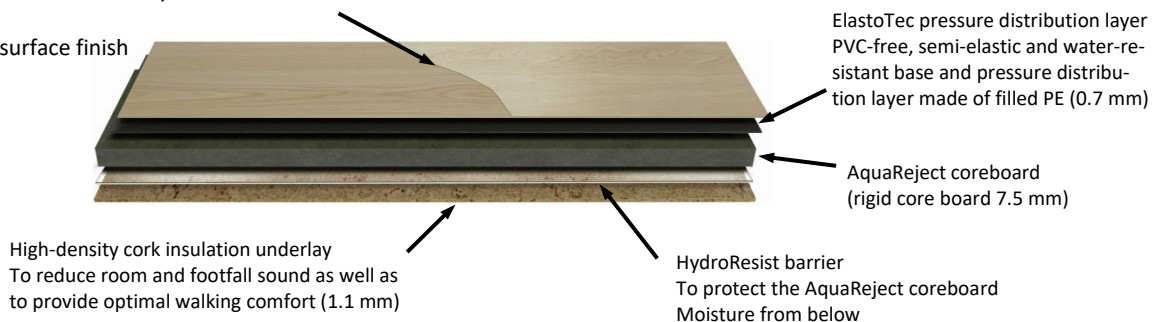
### Structure

HARO Multivo wood performance floor is a high-quality floor based on EN 14354 that is made by Hamberger Flooring GmbH & Co. KG with the following structure:

SilentSense surface:

0.55 mm thick precious wood layer with abrasion-resistant

*naturaDur plus* surface finish



ElastoTec pressure distribution layer  
PVC-free, semi-elastic and water-resistant base and pressure distribution layer made of filled PE (0.7 mm)

AquaReject coreboard  
(rigid core board 7.5 mm)

High-density cork insulation underlay  
To reduce room and footfall sound as well as to provide optimal walking comfort (1.1 mm)

HydroResist barrier  
To protect the AquaReject coreboard  
Moisture from below

### Dimensions and moisture behaviour

All information is based on a delivery moisture of 5 - 7% according to EN 322 (normative: 5 to 9 %).

Length	Width	Total thickness	Weight per unit area	Equilibrium moisture 23°C / 50% r.h.
ISO 24337	ISO 24337	ISO 24337	-	EN 322
2035 mm	235 mm	9.9 mm	8.8 kg/m <sup>2</sup>	6 % *)
Max. tolerance: ±0.3mm (normative: max -min: ≤ 0,3 mm/m)	Max. tolerance: ±0.1mm (normative: max -min: ≤ 0,2 mm)	Max. tolerance: ±0.2mm (normative: max -min: ≤ 0,5 mm)	Gross density differences in the coreboard mean tolerances may be required	Max. tolerance: ±1 %

\*) Equilibrium moisture of the coreboard: (5.6 ± 0.2) %

### Installation system

The patented glueless connection system guarantees an easy, perfect-fit and permanent installation of the design floor.



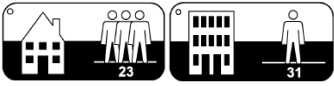



Long side: interlocking by angling in  
Short side: Top Connect 5G



### Surface





The HARO Multivo wood performance floor comes with the following surface finish:

	<b>naturaDur plus</b> MATTES OBERFLÄCHENFINISH		
Character	Natural-matt surface finish – Especially abrasion-resistant and robust		
Contents	High-grade acrylic resins combined with ingredients based on natural raw materials		
How it works	naturaDur plus combines the natural-matt look of a natural oil surface with exceptional wear resistance and ease of care. The wood is protected by a series of high-quality layers that have extremely high abrasion values.		

## Performance specifications<sup>\*)</sup>

Level of use [DIN EN 14354]	Fire classification [DIN EN 13501-1]	Sliding friction [DIN EN 14041; EN 13893]	Thermal resistance
			
23/31	C <sub>fi</sub> -s1	DS / R9	0.067 m <sup>2</sup> K/W
23 = private application with heavy traffic 31 = public and commercial application with low or occasional traffic	C <sub>fi</sub> = hardly inflammable  Floating laid or gluedown installation.	μ ≥ 0,35  HARO Multivo wood floors meet the occupational health and safety requirements under BGR 181	Reaction with heat flow; The limit value of max. 0.15 m <sup>2</sup> K/W should be observed for underfloor heating.

Formaldehyde emissions [DIN EN 717-1]	VOC emissions [AgBB Schema/Blue Angel]	Bonding strength [DIN EN 17456]
		AT3: <10 %
≤ 0.05 ppm	In preparation ≤ 300 ppm	
Emission verification for: - Blauer Engel (DE-UZ 176) - DGNB ENV 1.2, quality level 4, criteria matrix 47a <a href="http://www.dgnb-navigator.de">www.dgnb-navigator.de</a> - QNG, catalogue of requirements appendix document 313 category 2.3 - LEED v.1 Option 2 & Leed v4 for projects outside U.S; EQ credit low-emitting materials - BREEM Hea02 Indoor air Quality, exemplary level emission criteria for wood flooring (table 18)		< 10 % Delamination on the basis of testing procedures AT3

Indention resistance [DIN EN 1534]	Impact load [DIN EN 14354]	Resistance to wear [DIN EN 14354]	Thickness swelling [DIN EN 13329]
			
≥ 30 N/mm <sup>2</sup>	EC 2 (≥ 1200 mm)		≤ 15%
Resistance to penetration of a load with a small contact area and remaining impression	Minimum drop height of a ball that does not cause any cracks	Wear-through IP ≥ 1500 rotations according to DIN EN 14354	Requirement under DIN EN 14354: ≤ 15%

\*) Dated references to norms/standards that are cited in this document only apply to the version to which reference is made. For undated references, the last version applies (including all changes).

## Quality label



[www.blauer-engel.de/uz176](http://www.blauer-engel.de/uz176)

The material is free of PVC and plasticisers and can be disposed of in domestic waste.

Hamberger Flooring GmbH & Co.KG – Production Engineering

Quality Management System Form PT 7.3/02/00/00/0704.0 v. 23/03/2023-de