

Datasheet design floor DISANO DISANO WaveAqua

Structure

DISANO WaveAqua is a top quality design floor from Hamberger Flooring GmbH & Co. KG with the following structure:

Surface Protect

The especially robust and durable Surface Protect upper layer with the authentic wooden appearance is a polymer layer that has a warm, soft and natural feel.



AquaReject

An especially moisture resistant AquaReject rigid core board (7.5mm).

PowerWave layer

The PowerWave layer provides special floor stability and protects against moisture.

Dimensions and moisture behavior

All data refer to the delivery humidity of 5-6 % according to EN 322.

Length	Width	Total thickness	Weight per unit area	Equilibrium humidity at 23°C / 50% RH
ISO 24337	ISO 24337	ISO 24337	-	EN 322
1282 mm (50 ¹⁵ / ₃₂ "") 2200 mm (86 ³⁹ / ₆₄ "")	193 mm (7 ¹⁹ / ₃₂ "") 243 mm (9 ⁹ / ₁₆ "")	8 mm (5 ⁵ / ₁₆ "")	7.21 kg/m ² (14 ⁴⁹ / ₆₄ lb / 10ft ²)	5,5%
Max. tolerance: ± 0.5mm	Max. tolerance: ± 0.1mm	Max. tolerance: ± 0.2mm	Gross density differences in the coreboard mean tolerances may be required.	Max. tolerance: 0,5%

Installation system

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



5G Fold Down locking system

Long side: interlocking by angling in

Short side: Top Connect 5G

Performance specifications

Level of use [DIN EN ISO 10874/DIN EN 16511]	Fire classification [DIN EN 13501-1]	Sliding friction [DIN EN 14041; EN 13893]	Thermal resistance
23/33	C _{fl} -s1	DS / R10	0.063m ² K/W
23 = residential application with intensive use 33 = commercial applications with intensive use	C _{fl} = flame-resistant Glue-down installation or floating installation	μ ≥ 0.35 DISANO WaveAqua meets occupational health and safety requirements in acc. with BGR 181.	Reaction with heat flow; the limit value of max. 0.15 m ² K/W should be observed for underfloor heating.

Formaldehyde emissions [DIN EN 717-1]	VOC emissions [AgBB scheme/Blue Angel]	Odor test [VDA-Empfehlung 270 i.A.]	Impact and indoor sound improvement factor [ISO 140-8/ihd W 431]
			up to 18 dB up to 51,3%
≤ 0.05 ppm	≤ 300 ppm		
Evidence of emissions for: - Blue Angel (RAL UZ 176) - DGNB ENV 1.2, quality level 4, criteria matrix 47a www.dgnb-navigator.de - LEED v.1 Option 2 & Leed v4 for projects outside U.S; EQ credit low-emitting materials - BREEAM Hea02 Indoor air Quality, exemplary level emission criteria for wood flooring (table 18)		The evaluation and judgement of the smell are based on a grading system that ranges from 1 (unnoticeable) to 6 (unbearable). Design floor DISANO WaveAqua meets the thresholds set for the eco-INSTITUT label.	Improvement/reduction in the impact or footfall noise between two rooms or when an ordinary person is walking through the room.

Residual indentation [DIN EN ISO 24343-1]	Chair caster-resistance [DIN EN 425]	Lightfastness [DIN EN 13329]	Resistance to staining [DIN EN 438-2]
<0.2mm	> 25,000 cycles	≥ 4 (gray scale)	Resistant
Residual indentation following extended exposure to a load with a small pulling edge	No film debonding or damage to the connection system.	Resistance to shine/colour in case of strong exposure to light (e.g. sunlight)	No change in shine/colour caused by substances and chemicals found in households. A longer-lasting effect of aggressive solutions, such as Acetone or disinfection agents, can cause surface changes and must be removed from the floor immediately.

Quality label



www.ibu-epd.com



www.blauer-engel.de/uz176



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

Hamberger Flooring GmbH & Co.KG – Production Engineering

Quality Management System Form PT 7.3/02/00/00/0617.2 v. 08/11/2022-en