HARO

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.



PowerWave layer

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

Dimensions and moisture behavior

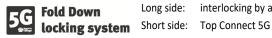
All data refer to the delivery humidity of 5-6 % according to EN 322.

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 / 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 toler- ances may be required.	Max. tolerance: 0,5%

Installation system

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





Long side: interlocking by angling in



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
	C _{fr-S1}	≥0,30	
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 un- derfloor heating.

Formaldehyde emissions [DIN EN 717-1]	VOC emissions [AgBB scheme/Blue Angel]	Odor test [VDA-Empfehlung 270 i.A.]	Impact and indoor sound im- provement factor [ISO 140-8/ihd W 431]
E1 HGHO ≤ 0.05 ppm	€ 300 ppm		up to 18 dB up to 51,3%
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 Aceton or disinfection agents, can cause surface changes and must be removed from the floor immediately.

Quality label











www.blauer-engel.de/uz176



www.ibu-epd.com

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