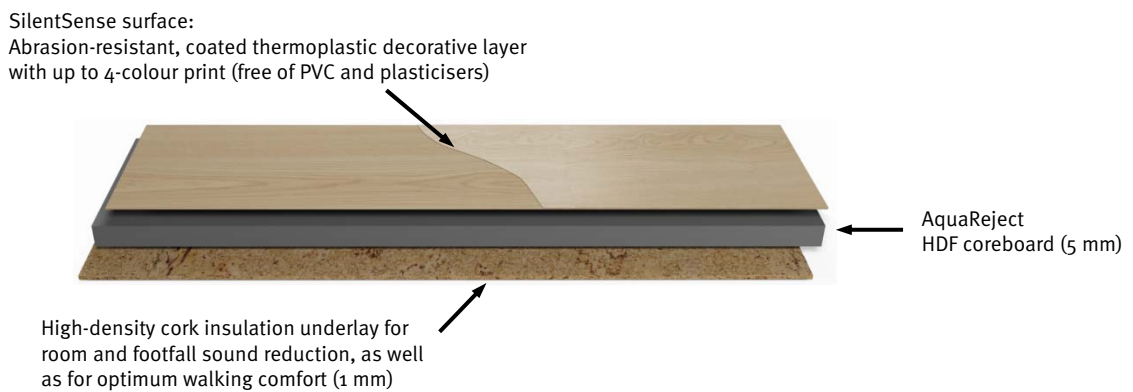


# Datasheet DISANO by HARO

## DISANO SmartAqua

### Structure

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



### Dimensions

All information based on delivery moisture of u= approx. 7%.

Length	Width	Total thickness	Weight per unit area
1282 mm (50 15/32")	235 mm (9 1/4")	6.5 mm (1/4")	5.4 kg/m <sup>2</sup>
Max. tolerance: ± 0.5mm	Max. tolerance: ± 0.1mm	Max. tolerance: ± 0.1mm	Gross density differences in the coreboard mean tolerances may be required.





### Installation system




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







Short side: lock-in system  
Long side: interlocking by angling in

## Performance specifications

Level of use [DIN EN 685]	Fire classification [DIN EN 13501-1]	Sliding friction [DIN EN 14041; DIN 51130]	Thermal resistance
			
23/33	Dfl-S1	DS / R9	0.046m²K/W
23 = residential application with intensive use 33 = commercial applications with high traffic	Dfl = normal flammability	$\mu \geq 0.35$  DISANO by HARO, DISANO SmartAqua meets occupational health and safety requirements in acc. with BGR 181.	Reaction with heat flow; the limit value of max. 0.15 m² K/W should be observed for underfloor heating.

Chair caster-resistance [DIN EN 425]	Formaldehyde emissions [DIN EN 717-1]	VOC emissions [AgBB scheme/Blue Angel]	Impact and indoor sound improvement factor [ISO 10140-3/EN 16205]
			17 dB / 42%
> 25,000 cycles	$\leq 0.05$ ppm	$\leq 300$ ppm	
No film debonding or damage to the connection system.	The result complies with the Blue Angel specifications – therefore at least 50% below the E1 limit value.	As an organic material, wood gives off volatile organic compounds (VOC). This is monitored in stringent continuous controls. DISANO by HARO, DISANO SmartAqua therefore meets the criteria of the Blue Angel and the applicable European emission certificates.	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 433]	Moving furniture leg [DIN EN 424]	Lightfastness [DIN EN 13329]	Resistance to staining [DIN EN 423]
			
<0.2mm	No changes	$\geq$ Stage 6 (blue wool scale)	Resistant
"Stiletto" test; stiletto heels do not leave any indentations. DIN EN 650 NK 32 limit value: 0.2 [mm]	Impact due to moving heavily used furniture legs.	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.

## Certificates



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 7.3/02/00/00/0612.2 v. 05/07/17-en