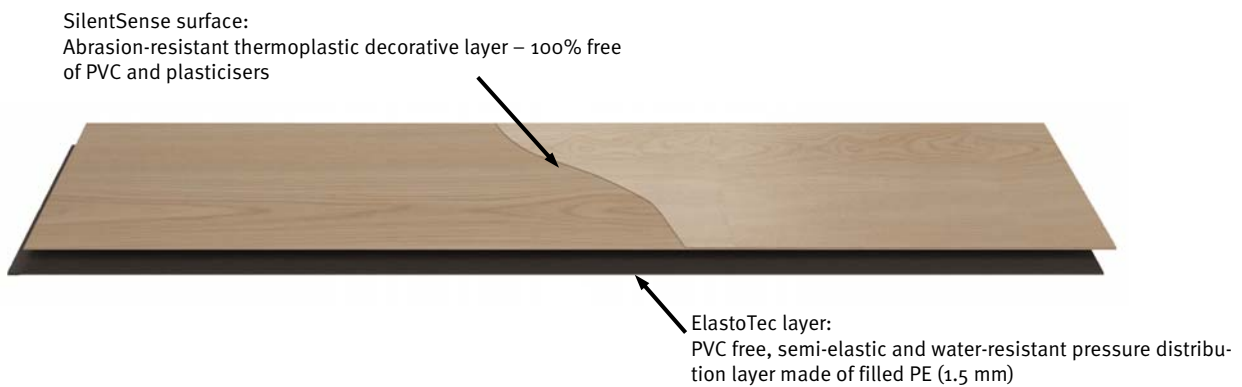


Data Sheet DISANO by HARO

DISANO Project

Structure

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



Dimensions

All information relates to delivery conditions of 20°C and 50%r.h.:





Length ^{*)}	Width ^{*)}	Total thickness	Weight per unit area
1800mm 900mm (Bravo)	248mm 155mm (Bravo)	approx. 2.0mm	2,81kg/m ²
Max. tolerance: ±0.5mm	Max. tolerance: ±0.1mm	Max. tolerance: ±0.1mm	Gross density differences in the coreboard mean minor tolerances may be required.





^{*)} The alterations in the size resulting from temperature changes in line with the DIN EN ISO 23999 standard amount to ≤ 0.25 % for Disano Project.





Installation system

DISANO by HARO, DISANO Project is designed for glue adhesion to the subfloor. The requirements outlined in the installation instructions must be observed.

Performance specifications

Level of use [DIN EN 685 NK 16511]	Fire classification [DIN EN 13501-1]	Sliding friction [DIN EN 14041; DIN 51130]	Thermal resistance
			
23/33	C _{fl} -S1	DS / R9	0.01m ² k/W
23 = private home with heavy traffic 33 = commercial/public application with heavy traffic	C _{fl} = flame-retardant	μ ≥ 0.35 DISANO by HARO, DISANO Project meets occupational health and safety requirements in accordance with BGR 181.	Reaction with heat flow; the limit value of max. 0.15 m ² K/W should be observed for underfloor heating.

Chair caster-resistance [DIN EN 425]	Formaldehyde emissions [DIN EN 717-1]	VOC emissions [AgBB Schema/Blue Angel]	Footfall and room sound improvement [ISO 10140-3/EPLF WD 021029-5]
			
> 25,000 cycles	≤ 0.05 ppm	≤ 300 ppm	4 dB / approx. 83%
No film debonding or damage to the connection system.	No synthetic formaldehyde is used in the manufacture of DISANO by HARO, DISANO Project.	As an organic material, wood gives off volatile organic compounds (VOC). This is monitored by strict ongoing controls. DISANO by HARO, DISANO Project 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 ISO 24343-1]	Moving furniture leg [DIN EN 424]	Lightfastness [DIN EN 13329]	Resistance to staining [DIN EN 423]
			
< 0.2mm	No changes	≥ Stage 6 (blue wool scale)	resistant
"Stiletto" test; stiletto heels do not leave any indentations. Limit value prEN 16511 NKL 33!: 0.2 [mm]	Impact due to moving of 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 acetone or disinfection agents, can cause surface changes and must be removed from the floor immediately.

Certificates



www.blauer-engel.de/uz120

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

Hamberger Flooring GmbH & Co.KG – Production Engineering
Quality Management System Form PT 7.3/02/00/00/0611.4 dated 04/04/18-en