

## Technical Datasheet H2O Floor - 8 mm

Flooring with O.R.C.A Moisture Defense Technology, Level of use according to EN 13329: 23/32 – AC5



Heavy domestic use



Medium commercial use



Year Warranty

**O.R.C.A.**  
ORGANIC RIGID COREBOARD ANTISTATIC  
**MOISTURE DEFENSE TECHNOLOGY**

### DIMENSION

dimension	thickness (d)	8 ± 0,50 mm · dmax - dmin ≤ 0,50 mm		
	length	1285 ± 0,50 mm		
	width (b)	192 ± 0,10 mm · bmax - bmin ≤ 0,20 mm		
profile	long side	twin click	short side	1 clic 2go pure
	groove	long side	short side	



### TOLERANCE

squareness	EN 13329	≤ 0,20 mm
straightness	EN 13329	≤ 0,30 mm
micro scratch resistance	EN 13329	≤ MSR-B2
flatness crosswise	EN 13329	concave: ≤ 0,15% · convex: ≤ 0,20%
flatness length	EN 13329	concave: ≤ 0,50% · convex: ≤ 1,00%
gaps between elements	EN 13329	average: ≤ 0,15 mm · max: ≤ 0,20 mm
height difference between elements	EN 13329	average: ≤ 0,10 mm · max: ≤ 0,15 mm
misalignment		± 2 mm

### TEST

abrasion resistance	EN 13329	AC5 (≥ 6000 rpm)
impact resistance	EN 13329	small ball ≥ 12 N · big ball ≥ 750 mm
stain resistance	group 1 & 2	grade 5
	group 3	≥ grade 4
castor chair test	EN 13329	no change in appearance or damage, as defined per EN 425
effect of a furniture leg	EN 13329	no damage shall be visible, when tested with foot type 0
thickness swelling	EN 13329	≤ 5%**
static indentation	EN 13329	≤ 0,05 mm
light fastness	EN 13329	grey scale ≥ 4 at blue wool grade 6
dimensional variations after changes in relative humidity	EN 13329	lengthwise ≤ 0,9 mm · crosswise ≤ 0,9 mm
locking strength	EN 13329	length ≥ 1 kN/m · width ≥ 2 kN/m
surface soundness	EN 13329	≥ 1,25 N/mm <sup>2</sup>

### ENVIRONMENT

emission of formaldehyde	EN 717-1	class E1
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### PHYSICAL BEHAVIOR

fire behavior	EN 13501-1	Cfl s1
slide resistance	EN 13893	technical class DS
thermal resistance	EN 12667	0,073 (m <sup>2</sup> K)/W ± 15%
thermal conductivity	EN 12664	0,110 W/(m <sup>2</sup> K) ± 15%
antistatic behavior	EN 1815	body voltage ≤ 2 kV

\*For domestic use according to the conditions of guarantee. Detailed terms of guarantee: [www.h2o-floor.com](http://www.h2o-floor.com) \*\* Ref. to H2O Floor 12mm

The data sheet is updated regularly to meet new technological standards. This version replaces all previous versions as well as those which are undated. This version takes effect upon creation. Version 09/219