

## Technical datasheet 4 mm

Flooring of floating installation, Level of use according to EN 16511 : Class 32



For flooring subject to intensive use in commercial premises



For intensively used living areas



### DIMENSIONS

dimensions	thickness	4,00 mm · tmax - tmin ≤ 0,50 mm
	length	1280 mm · lmax - lmin ≤ 0,50 mm
	width	295 mm ± 0,10 mm · wmax - wmin ≤ 0,20 mm

### TOLERANCE

squareness	EN 16511	≤ 0,20 mm
straightness	EN 16511	≤ 0,30 mm / m
flatness crosswise	EN 16511	concave: ≤ 0,15% · convex: ≤ 0,20%
flatness lengthwise	EN 16511	concave: ≤ 0,50% · convex: ≤ 1,00%
openings between elements	EN 16511	average: ≤ 0,15 mm · max: ≤ 0,20 mm
height difference between elements	EN 16511	average: ≤ 0,10 mm · max: ≤ 0,15 mm

### TEST

abrasion resistance method B	EN 16511	≥ 3000 cycles
impact resistance	EN 16511	≥ 1200 mm
micro scratch resistance	EN 16511	≤ MSR-A3
stain resistance	EN 16511	group 1 & 2 grade 5
		group 3 grade 4
castor chair test	EN 16511	no change in appearance after 25.000 cycles
effect of furniture leg	EN 16511	no visible damage
thickness swelling	EN 16511	no swelling
residual indentation	EN 16511	≤ 0,20mm
locking strength	EN 16511	$f_{10,2} \geq 1$ kN/m (length); $f_{50,2} \geq 1,5$ kN/m (width)
dimensional stability	EN 16511	≤ 0,25 %

### ENVIRONMENT

emission of formaldehyde	EN 717-1	class E1, formaldehyde free, no emission
--------------------------	----------	--

### PHYSICAL BEHAVIOR

fire behaviour	EN 13501-1	Bfl-s1
slide resistance	EN 13893	DS
thermal resistance	EN 12667	0,01 (m <sup>2</sup> K)/W
electrostatic behaviour	EN 1815	Antistatic floor covering