

### Flooring for floating installation, Level of use according to EN 16511: Class 34



For intensively used living areas



For flooring subject to intensive use in commercial premises



#### DIMENSIONS

	thickness	5,0 mm · tmax - tmin ≤ 0,50 mm	
dimensions	length	1210 mm · lmax - lmin ≤ 0,50 mm	
	width	192 ± 0,10 mm · wmax - wmin ≤ 0,20 mm	
profile	long side	1 clic 2go pure	short side 1 clic 2go pure
groove	long side		short side

#### 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	≥ 7000 cycles	
impact resistance	EN 16511	≥ 1800 mm	
micro scratch resistance	EN 16511	≤ MSR-A2	
stain resistance	EN 16511	group 1 & 2	grade 5
		group 3	grade 5
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	≤ 0,15mm	
light fastness	EN 20105-B02	blue wool scale	6
	EN 20105-A02	grey scale	≥ 4
locking strength	EN 16511	long side	≥ 2,0 kN/m
		short side	≥ 3,5 kN/m
dimensional stability	EN 16511	≤ 0,25 %	

#### ENVIRONMENT

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

fire behaviour	EN 13501-1	Bfl-s1	
slide resistance	EN 13893	DS	
thermal resistance	EN 12667	0,01 (m²K)/W	
thermal conductivity	EN 12667	0,437 W/(m*K)	
walking noise reduction	IHD-W-431	37%	
impact sound reduction	EN ISO 10140-3	6 dB	

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



For intensively used living areas



Moderate commercial use



### DIMENSIONS

dimensions	thickness	4,0 mm · tmax - tmin ≤ 0,50 mm	
	length	1210 mm · lmax - lmin ≤ 0,50 mm	
	width	192 ± 0,10 mm · wmax - wmin ≤ 0,20 mm	
profile	long side	1 clic 2go pure	short side 1 clic 2go pure
groove	long side		short side

### 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	
light fastness	EN 20105-B02	blue wool scale	6
	EN 20105-A02	grey scale	≥ 4
locking strength	EN 16511	long side	≥ 1,0 kN/m
		short side	≥ 1,5 kN/m
dimensional stability	EN 16511	≤ 0,25 %	

### ENVIRONMENT

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

fire behaviour	EN 13501-1	Bfl-s1	
slide resistance	EN 13893	DS	
thermal resistance	EN 12667	0,008 (m²K)/W	
thermal conductivity	EN 12667	0,427 W/(m*K)	
walking noise reduction	IHD-W-431	45%	
impact sound reduction	EN ISO 10140-3	6 dB	