

Technical Datasheet

Cello Vinyl

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

R9
anti-slip class

m
m
f
a

DIMENSION

dimension	thickness	5,0 mm · dmax - dmin ≤ 0,50 mm		
	length	1280 mm · lmax - lmin ≤ 0,50 mm		
	width	295 ± 0,10 mm · bmax - bmin ≤ 0,20 mm		
profile	long side	Compact Loc	short side	TopClick
groove	long side		short side	

TOLERANCE

squareness	EN 16511	≤ 0,20 mm
straightness	EN 16511	≤ 0,30 mm
flatness crosswise	EN 16511	concave: ≤ 0,15% · convex: ≤ 0,20%
flatness length	EN 16511	concave: ≤ 0,50% · convex: ≤ 1,00%
gaps 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	≥ 7.000 cycles	
impact resistance	EN 16511	≥ 1.800 mm	
micro scratch resistance	EN 16511	≤ MSR-A2	
stain resistance	EN 16511	group 1 & 2	grade 5
		group 3	≥ grade 4
castor chair test	EN 16511	no change in appearance or damage after 25.000 cycles	
movement of a furniture leg	EN 16511	no change in appearance	
thickness swelling	EN 16511	no swelling	
residual indentation	EN 16511	≤ 0,15 mm	
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 171-1	Klasse E1, formaldehyde free, no emission
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PHYSICAL BEHAVIOR

fire behavior	EN 13501-1	Bfl s1
slide resistance	EN 13893	technical class DS
slip resistance	EN 51130:2014	R 9
thermal resistance	EN 12667	0,061 (m²K)/W
thermal conductivity	EN 12664	0,084 W/(m*K)
walking noise reduction	IHD-W-431	47%
impact sound reduction	EN ISO 140-8	19 dB