

CorePlus 8mm

Nr	Technical Items	Norm	Test Method	Requirement	Test Results	Conclusion
1	Thickness	EN 16511	ISO 24337:2006	$\Delta t_{avg} \leq 0.50$ mm	8.0 mm	Pass
2	Length	EN 16511	ISO 24337:2006	$\Delta l \leq 0.5$ mm	1220 mm	Pass
3	Width	EN 16511	ISO 24337:2006	$\Delta W_{avg} \leq 0.10$ mm	181 mm	Pass
4	Squareness	EN 16511	ISO 24337:2006	$q_{max} \leq 0.20$ mm	$q_{max} = 0.05$ mm	Pass
5	Straightness	EN 16511	ISO 24337:2006	$S_{max} \leq 0.30$ mm/m	$S_{max} = 0.05$ mm/m	Pass
6	Height difference	EN 16511	ISO 24337:2006	$h_{avg} \leq 0.10$ mm $h_{max} \leq 0.15$ mm	$h_{avg} = 0.04$ mm $h_{max} = 0.05$ mm	Pass
7	Abrasion/Wear Resistance	EN 16511	EN 15468	0.7mm wear layer ≥ 6000 cycles;	0.7mm wear layer ≥ 6000 cycles;	0.7mm wear layer, Class 34, Heavy commercial
8	Scratch	-	ISO 1518-1	$>2500g$	3000g	Pass
9	Peel resistance	-	EN ISO 24345		Length direction: 110N/50mm Width direction: 115N/50mm	Pass
10	Micro-scratch resistance	EN 16511	EN 16094:2012, Procedure A	\geq MSR-A2	MSR-A2	Pass
11	Residual indentation	EN 16511	EN 433/ISO 24343-1	≤ 0.15 mm	0.03	Class 34, Very Heavy commercial
12	Impact resistance	EN 16511	EN 13329	≥ 1800 mm	>1800 mm	Class 34, Very Heavy commercial
13	Slip resistance	EN 14041	EN 13893	DryCOF ≥ 0.3	0.37	Class DS
		-	D 51130	$\geq R9$	R10	Anti-slip resistance R10
14	Color fastness to light	EN 13329	ISO 105-B02:1994, Method 3a	\geq Grade 6	$>$ Grade 6	Pass
15	Resistance to staining	EN 16511	EN 438-2	Group 1 and 2: Grade 5, Group3: Grade 4	Group 1 and 2: Grade 5, Group3: Grade 4	Class 34, Very Heavy commercial
		-	EN ISO 26987	Index 0	Index 0, not affected	
16	Dimensional stability & curling	EN 16511	ISO 23999	$\leq 0.25\%$	Length direction: 0.06% Width direction: -0.05% Curling: 0.04mm	Class 34, Very Heavy commercial
17	Water resistance/Swelling in water	EN 16511	ISO 24336	$\leq 12\%$	0.20%	Class 34, Very Heavy commercial
18	Locking strength	EN 16511	ISO 24334	Long side ≥ 2.0 KN/m Short side ≥ 3.5 KN/m	Long side: 4.3KN/m Short side: 4.7KN/m	Class 34, Very Heavy commercial
19	Thermal conductivity	EN 14041	EN 12667	-	0.123 W/(m.k)	Suitable for underfloor heating system
20	Thermal resistance	EN 14041	EN 12667	-	0.030 m ² :K/W	Suitable for underfloor heating system
21	Reaction to fire	EN 14041	EN 13051-1	-	Class Bfl -S1	Class Bfl -S1
22	Formaldehyde emission	EN 14041	EN 717-1	Release ≤ 0.124 mg/m ³	0.005mg/m ³	E05
23	VOC	Decret No2011-321	ISO 16000	TVOC < 1000 μ g/m ³	Non Detected	A+
		Floorscore	Californian 01350	Within CREL/TAC	Non Detected	Floorscore certified
24	Lead	CPSIA	CPSC-CH-E-1002-08	≤ 90 ppm	Non Detected	Meet children toy regulation
25	PCP	EN 14041	EN 12673	< 1 ppm	Non Detected	Pass
26	Phthalate content		EN 14372	-	Non Detected	Pass
27	Substances of Very High Concern (SVHC)	EU REACH regulation No. 1907/2006	Spectrometry and chromatography	$\leq 0.1\%$ (w/w)	Non Detected	REACH compliant
28	The body Voltage	-	EN 1815: 2016 Method A	< 2 KV	0.4 KV	Pass
29	Castor Chair	EN 16511	EN 425	> 25000 circles	> 25000 circles	Class 34, Very Heavy commercial
30	Weighted improvement of impact sound insulation	ISO 717-2:2013	ISO 10140-3-2010+A1-2015	-	$\Delta L_w = 22$ dB	-
31	Weighted normalized impact sound pressure level	ISO 717-2:2013	ISO 10140-3-2010+A1-2015	-	$L_{n,w} = 51$ dB	-
32	Impact Insulation Class	-	ASTM E492-09	-	IIC 56	-
33	Sound Transmission Class	-	ASTM E90	-	STC 53	-