

Technical data

PremiumBoard P5

Tolerance on thickness	± 0.3 mm
Tolerance on length (EN 324-1)	± 5 mm
Tolerance on width (EN 324-1)	± 5 mm
Straightness of edges (EN 324-2)	1.5 mm/m
Squareness (EN 324-2)	2 mm/m
Moisture content (EN 322)	9 % ± 4 %
Formaldehyde emission class	E1 E05
Availability	Other formats and thicknesses on request; please also note our respective minimum order quantities.

Property	Test method	Unit	Requirement							
			Thickness / Range of thickness (mm, nominal dimension)							
			≤ 8.9	> 8.9 to ≤ 10	> 10 to ≤ 13	> 13 to ≤ 20	> 20 to ≤ 25	> 25 to ≤ 32	> 32 to ≤ 40	> 40
Mean density	EN 323	kg/m ³	790 – 690	790 – 690	770 – 680	700 – 660	670 – 650	660 – 640	640 – 620	≤ 620
Bending strength	EN 310	N/mm ²	18	18	18	16	14	12	10	9
Bending modulus of elasticity	EN 310	N/mm ²	2,550	2,550	2,550	2,400	2,150	1,900	1,700	1,550
Internal bond	EN 319	N/mm ²	0.45	0.45	0.45	0.45	0.4	0.35	0.3	0.25
Swelling in thickness, 24 h	EN 317	%	13	13	11	10	10	10	9	9
Internal bond after boil test	EN 1087-1	N/mm ²	0.15	0.15	0.15	0.14	0.12	0.11	0.1	0.09

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