nikpol

nikpol kronospan particle boards

Melamine Board: Essential Range

- MR Builders range
- MR Essential range
- MR Primavera range
- MR Mattwood range

Specifications							
Characteristics	Unit	Thickness					Requirement Standard
		>6–14 mm	>14–22 mm	>22–25 mm	>25–32 mm	>32–40 mm	
Density	kg/m³ ±10%	750	700	700	670	640	EN 323
Squareness tolerance	mm/m	2mm/m					EN 324-2; EN 312
Edge straightness tolerance	mm/m	1.5mm/m					EN 324-2; EN 312
Tolerance on thickness	mm	±0.3					EN 324-2; EN 312
Tolerance of length and width	mm	±5					EN 324-2; EN 312
Bending strength on the weakest direction	N/mm²	≥15	≥14	≥12	≥11	≥9	EN 310; EN 312
Modulus of elasticity in bending on the weakest direction	N/mm²	≥1800	≥1600	≥1050			EN 310; IOS-MAT 0162
Internal bond	N/mm²	≥0.45	≥0.45	≥0.40	≥0.35	≥0.30	EN 319; EN 312
Swelling in thickness 24hrs	%	≤17	≤14	≤13		≤12	EN 317; EN 312
Internal bond after cyclic test	N/mm²	≥0.15	≥0.13	≥0.12	≥0.10	≥0.09	EN 321; EN 312
Swelling in thickness after cyclic test	%	≤14	≤13	≤12	≤12	≤11	EN 317; EN 312
Formaldehyde release CARB P2+EPA	ppm	≤0.09					ASTM D 6007-02; IOS-MAT 0003; vers. AA-10899-14
Moisture content	%	9±4					EN 322; EN 312
Surface screw holding	N	≥250	≥450				IOS-TM-0057; IOS-MAT-0162
Edge screw holding	N	≥800					IOS-TM-0057; IOS-MAT-0162
Density variation	%	±5					Appendix A; IOS-MAT-0162
Internal bond after boiling test	N/mm²	≥0.07					EN 1087-1; IOS-MAT-0162
Formaldehyde release	ppm	≤0.05					EN 717-1; IOS-MAT-181; vers. AA-2183046-2

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