

Melamine Board: Essential Range

Lyte

Finish: Matt BS, Textured Woodgrain WG & WP
 E0 Moisture Resistant Particle Board
 2440 x 1220mm surface dimension
 16mm thickness
 Double sided

Grande

Finish: SuperMatt SU, Textured Woodgrain WG & WP
 E0 Moisture Resistant Particle Board
 2800 x 2070mm surface dimension
 16mm thickness
 Double sided

Characteristics	Unit	Thickness (mm)					Requirement Standard
		>6-14	>14-22	>22-25	>25-32	>32-40	
Density	kg/m ³ ±10%	750	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/nm ²	≥15	≥14	≥12	≥11	≥9	EN 310 EN 312
Modulus of elasticity in bending on the weakest direction	N/nm ²	≥1800	≥1600	≥1050			EN 310 IOS-MAT 0162
Internal bond	N/nm ²	≥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

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		>6-14	>14-22	>22-25	>25-32	>32-40	
Internal bond after cyclic test	N/nm ²	≥0.15	≥0.13	≥0.12	≥0.10	≥0.09	EN 321 EN 312
Swelling in thickness after cyclic test	%	≤14	≤13	≤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/nm ²	≥0.07					EN 1087-1 IOS-MAT-0162
Formaldehyde release	ppm	≤0.05					EN 717-1 IOS-MAT-181 vers. AA-2183046-2