

MAT PANEL TECHNICAL DATASHEET



Mechanical Properties Board Mean Values	Test Method	Unit	Required Value
Density	TS EN 323	[kg/m ³]	Specific to AGT
Adhesive Resistance	TS EN 323	[N/mm ²]	≥ 0,55
Temperature Resistance (Front Surface)	-	[°C]	≤ 80
Temperature Resistance (Back Surface)	-	[°C]	≤ 70
Evaluation of Surface Resistance to Micro-Scratches	TS CEN / TS 16611 (Method A)	[% change]	≤ 10
Resistance to Cold Liquids (Resistance to Chemicals)	EN 12720+A1	[Class]	5
Surface Resistance to Dry Heat (70°C)	EN 12722	[Class]	5
Determination of Surface Resistance to Wet Heat (70°C)	EN 12721	[Class]	5
Panel Warping Tolerance	EN 322	[mm]	Short Side (1220 mm) ≤ 4 mm Long Side (2880 mm) ≤ 10 mm
Formaldehyde Emission Class(Es)**	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, CARB2, TSCA

General Tolerances	Test Method	Unit	Required Value
Length and Width Tolerance	TS EN 324-1 EN 622-1	[mm]	±2,0 mm/m, max. ±5,0
Squareness	TS EN 324-1 EN 622-1	[mm/m]	±2.0
Edge Straightness Tolerance	TS EN 324-1 EN 622-1	[mm/m]	≤1.5
Thickness Tolerance	TS EN 324-1 EN 622-1	[mm]	± 0,2
Standard Sanding			K120 (It can be applied according to special demand))

Physical & Environment Properties	Test Method	Unit	Required Value
Fire Behaviour Category	TS EN 13501-1		Ds1 d2
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Migration Certificate	EN 13130-1		Migration Certificate
Gostr Certificate			

Folio Specification	Test Method	Unit	Required Value
			Mat
Thickness	TS EN ISO 11833-2	[mm]	0,25 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

Folio Specification	Test Method	Unit	Required Value
			Back Surface
Thickness	TS EN ISO 11833-2	[mm]	0,15 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80