

ACOUSTIC WALL COVERING 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	-	[°C]	≤ 80
Evaluation Of Surface Resistance To Micro-Scratches	TS CEN / TS 16611 (Method A)	[% change]	≤ 10
Resistance To Cold Liquids (Chemical Resistance)	EN 12720+A1	[Class]	5
Surface Resistance To Dry Heat (70°C)	EN 12722	[Class]	5
Surface Soundness	TS EN 311	[N/mm ²]	≥ 1 N/mm ²
Formaldehyde Emission Class(es)**	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, E1, 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		E
Sound Absorption Coefficient- Absorbing Class	TS EN ISO 354 TS EN ISO 11654		α _w =0,15- E
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Gostr Certificate			

Acoustic Felt Specifications	Test Method	Unit	Criteria of Acceptance	
			Min.	Max.
Weight	TS EN 29073-1	[g/m ²]	450	550
Thickness	TS EN 9073-2	[mm]	1,8	3,2
Tensile Strength	TS EN 29073-3	[N]	500	-
Tensile Elongation (CD)	TS EN 29073-3	[%]	80	-
Tensile Elongation (MD)	TS EN 29073-4	[%]	40	-
Tearing Strength	TS EN ISO 9073 - 4	[N]	100	-
Tensile Extension at 100 N	TS EN 29073-3	[%]	1	5
Shore A	JIS K 6293 ISO 868	[Shore A]	50	-
Flammability	D45 1333	[mm/min]	-	100
Rigidity	D45 1301	[N]	5	12

MD: Machine Direction CD: Cross Machine Direction

Folio Specifications	Test Method	Unit	Folyo Types				
			HG	MAT	SOFT TOUCH	SUPRAMAT	FINISH FOLYO
Thickness	EN ISO 11833-2	[mm]	0,30 ± 10%	0,25 ± 10%	0,20 ± 10%	0,25 ± 10%	0,20 ± 10%
Glossiness	EN ISO 2813	20°	≥ 80	-	-	-	-
Surface Roughness	EN ISO 4288	Ra, µm	≤ 0,10 µm	-	-	-	-
Color Measurement	DIN 5033-4	ΔE	≤ 0.65	≤ 0.65	≤ 0.65	≤ 0.65	≤ 0.65
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N	≥ N	≥ N	≥ N	≥ N
UV Resistance (50 hours)	TS EN 4892 (1-2-3)	ΔE	≤ 0.65	≤ 0.65	≤ 0.65	≤ 0.65	≤ 0.65