

LAMINATE FLOORING TECHNICAL DATASHEET AC4



Mechanical Properties Board Mean Values	Test Method	Unit	Required Value
Density	TS EN 323	[kg/m ³]	Specific to AGT
Thickness Difference Between Elements (t)	TS EN 13329	[mm]	t average < 0,50mm t max-t min < 0,50mm
Abrasion Resistance	TS EN 438-7	[Cycle]	Cycle ≥ 4000
Squareness of the Element (q)	TS EN 13329	[mm]	q max ≤ 0,2mm
Length of Surface Layer (l)	TS EN 13329	[mm]	l ≤ 1500mm difference ≤ 0,5mm l > 1500mm difference ≤ 0,3mm
Width of Surface Layer (w)	TS EN 13329	[mm]	w average difference ≤ 0,10mm w max- w min ≤ 0,20mm
Straightness of the Surface Layer (s)	TS EN 13329	[mm]	s max ≤ 0,30mm
Surface Smoothness (f)	TS EN 13329	[mm]	fw, concave ≤ %0,15 fw, convex ≤ %0,20 fl, concave ≤ %0,50 fl convex ≤ %1,00
Gap Between the Elements (o)	TS EN 13329	[mm]	o average ≤ 0,15mm o max ≤ 0,20mm
Height Difference Between the Elements (h)	TS EN 13329	[mm]	h average ≤ 0,10mm h max ≤ 0,15mm
Surface Soundness	TS EN 13329	[N/mm ²]	AC4 ≥ 1,25 N/mm ²
Scratch Resistance	TS EN 438-7	[N]	>3,5 N
Micro Scratch Resistance	TS EN 16094	[Level]	Level 1
Armchair Wheel Impact	TS EN 425	[Cycle]	25.000 Cycle, No change or damage in appearance
Furniture Leg Impact	TS EN ISO 16581	[Visual]	There should not be visible damage
Hot Containers Resistance	TS EN 13329	[Class]	Class 4
Water Vapor Resistance	TS EN 13329	[Class]	Class 4
Stain Resistance	TS EN 13329	[Class]	Class 5
Small Ball Test	TS EN 13329	[N]	≥12 N
Large Ball Test	TS EN 13329	[mm]	≥ 750 mm
Swelling in Water for 24h	TS EN 13329	[%]	<%18
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)
Sizes		[mm]	8 mm * 191 mm * 1200 mm 8 mm * 246 mm * 1380 mm 8 mm * 159 mm * 1380 mm 8 mm * 157 mm * 1200 mm 8 mm * 246mm * 1375 mm 10 mm * 193 mm * 1380 mm 10 mm * 154,5 mm * 1195 mm 10 mm * 155 mm * 1200 mm 10 mm * 189 mm * 1195 mm 12 mm * 190 mm * 1200 mm 12 mm * 189 mm * 1195 mm 12 mm * 154,5 mm * 1195 mm (Thickness * Width * Length)

Physical & Environment Properties	Test Method	Unit	Required Value
Fire behaviour category	TS EN 13501-1		C fi - s1
Thermal Resistance (R)	TS EN 12664	[m²K/W]	0,069 m²K/W
Thermal Conductivity (λ)	TS EN 12664	[W/mK]	0,140 W/mK
Impact sound reduction	EN ISO 10140 -3	[Db]	8 mm : 17 db
Evaluation of room acoustic behaviour	IHD-W 431	[%]	8 mm: 21%
Water Resistance	ISO 4760	[Class] [mm]	Qualitative recovery swell rating final average < 3 Recovery swell final average ≤ 0,3 mm
Slip Resistance	DIN 51130 EN 13893 EN 14041	[Class]	R10
REACH Certificate	1907/ 2006 EC REACH		<0.1%
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Migration Certificate	EN 13130-1		Migration Certificate
Greenguard / Greenguard Gold Certificate	UL 2818		Greenguard / Greenguard Gold Certificate
Blue Angel Certificate	DE-UZ 176		Blue Angel Certificate
FloorScore Certificate			FloorScore Certificate
VOC Emission Class	DE UZ 176	[Class]	A+
Gostr Certificate			