

# TECHICAL SPECS

	ALUMAX PANEL ACM 4mm PE	ALUMAX PANEL ACM 4mm FR	
Product Specification & The Finishing	Total Thickness	4mm	4mm
	Internal Skin Thickness	0.5mm	0.5mm
	External Skin Thickness	0.5mm	0.5mm
	Theoretical Weight	5.56kg/m <sup>2</sup>	7.56kg/m <sup>2</sup>
	Minimum / Maximum Width	1000-1250-1500	1000-1250-1500
	Minimum / Maximum Length	900/1650mm	900/1650mm
	Thickness Tolerance	2000/8000mm	2000/8000mm
	Width Tolerance	-0/+0.2mm	-0/+2.5mm
	Length Tolerance	-0/+20mm	-0/+20mm
	Diagonal Tolerance	+3[mm/m]	+3[mm/m]
Core	LDPE (Low density Polyethylene)	Mineral FR	
Mechanical Features of the Panel	Routed Panel	≥2	≥2
	Ridigity (EI)	1846 kNcm <sup>2</sup> /m	2140 kNcm <sup>2</sup> /m
	Moment of Inertia (I)	2637 mm <sup>4</sup> /m	3050 mm <sup>4</sup> /m
	Section Modulus (W)	1317 mm <sup>3</sup> /m	1535 mm <sup>3</sup> /m
	Audible Reduction	28* db	30* db
	Acoustic Insulation (R(A))	26.6 dBA	29.3 dBA
	Thermal Resistance	0.0125 m <sup>2</sup> k/w	0.0126 m <sup>2</sup> k/w
	Thermal Conductivity	0.32 W/mK	0.313 W/mK
	Temperature Resistance	-50°C / +80°C	-50°C / +80°C
Coated Aluminum Skin Features	Alloy	5005	5005
	Ultimate Tensile Strength	125 < Rm < 185 N/mm <sup>2</sup>	125 < Rm < 185 N/mm <sup>2</sup>
	Yield Strength	80 < Rp0.2 N/mm <sup>2</sup>	80 < Rp0.2 N/mm <sup>2</sup>
	Elongation	>3%	>3%
	Modulus of Elasticity	70000 N/mm <sup>2</sup>	70000 N/mm <sup>2</sup>
	Thermal Expansion	2.3 mm/m	2.3 mm/m
	Density	2700 kg/m <sup>3</sup>	2700 kg/m <sup>3</sup>