



ALUMAX PANEL

3-145 Industrial Parkway South, Aurora, ON L6G 3V5

T: 1 888 578 7787 P: 647 994 7479

www.alumaxpanel.com

Alumax Panel ACM 4mm PE

PRODUCT SPECIFICATION AND THE FINISHING

TOTAL THICKNESS	4 [mm]
INTERNAL SKIN THICKNESS	0.5 [mm]
EXTERNAL SKIN THICKNESS	0.5 [mm]
THEORETICAL WEIGHT	5.56 [kg/m ²]
STANDARD WIDTH	1000-1250-1500
MINIMUM / MAXMUM WIDTH	900/1650 [mm]
MINIMUM / MAXIMUM LENGTH	2000/8000 [mm]
THICKNESS TOLERANCE	-0 /+0.2 [mm]
WIDTH TOLERANCE	-0 / +2.5 [mm]
LENGTH TOLERANCE	-0 / +20 [mm]
DIAGOLNAL TOLERANCE	+ - 3 [mm/m]
CORE	LDPE (Low Density Polyethylene)

MECHANICAL FEATURES OF THE PANEL

ROUTED PANEL	≥2
RIDIGITY (EI)	1846 [kNcm ² /m]
MOMENT OF INERTIA (I)	2637 [mm ⁴ /m]
SECTION MODULUS (W)	1317 [mm ³ /m]
AUDIBLE REDUCTION	28* [db]
ACOUSTIC INSULATION (R(A))	26.6 (dBA)
THERMAL RESISTANCE	0.0125 [m ² K/W]
THERMAL CONDUCTIVITY	0.32 [W/mK]
TEMPERATURE RESISTANCE	-50°C/+80°C



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COATED ALUMINUM SKIN FEATURES

ALLOY	5005
ULTIMATE TENSILE STRENGTH	125 < Rm < 185 [N/mm ²]
YIELD STRENGTH	80 < Rp0.2 [N/mm ²]
ELONGATION	>3 [%]
MODULUS OF ELASTICITY	70000 [N/mm ²]
THERMAL EXPANSION	2.3 [mm/m] Δ 100°C
DENSITY	2700 [kg/m ³]

Recommended applications: signage, branding, display, kitchen, ceilings, interior.

For all inquiries please contact: info@alumaxpanel.com / 647-836-3320



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Alumax Panel ACM 4mm FR

PRODUCT SPECIFICATION AND THE FINISHING

TOTAL THICKNESS	4 [mm]
INTERNAL SKIN THICKNESS	0.5 [mm]
EXTERNAL SKIN THICKNESS	0.5 [mm]
THEORETICAL WEIGHT	7.76 [kg/m ²]
STANDARD WIDTH	1000-1250-1500
MINIMUM / MAXMUM WIDTH	900/1650 [mm]
MINIMUM / MAXIMUM LENGTH	2000/8000 [mm]
THICKNESS TOLERANCE	-0 /+0.2 [mm]
WIDTH TOLERANCE	-0 / +2.5 [mm]
LENGTH TOLERANCE	-0 / +20 [mm]
DIAGOLNAL TOLERANCE	+ - 3 [mm/m]
CORE	Mineral FR

MECHANICAL FEATURES OF THE PANEL

ROUTED PANEL	≥2
RIDIGITY (EI)	2140 [kNcm ² /m]
MOMENT OF INERTIA (I)	3050 [mm ⁴ /m]
SECTION MODULUS (W)	1535 [mm ³ /m]
AUDIBLE REDUCTION	30 [db]
ACOUSTIC INSULATION (R(A))	29.3 (dBA)
THERMAL RESISTANCE	0.0126 [m ² K/W]
THERMAL CONDUCTIVITY	0.313 [W/mK]
TEMPERATURE RESISTANCE	-50°C/+80°C



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COATED ALUMINUM SKIN FEATURES

ALLOY	5005
ULTIMATE TENSILE STRENGTH	125 < Rm < 185 [N/mm ²]
YIELD STRENGTH	80 < Rp0.2 [N/mm ²]
ELONGATION	>3 [%]
MODULUS OF ELASTICITY	70000 [N/mm ²]
THERMAL EXPANSION	2.3 [mm/m] Δ 100°C
DENSITY	2700 [kg/m ³]

Recommended applications: Architectural Façade Use

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