

M-BOND MIRROR ACM

PRODUCT CODE: COALM**S**M330501220MB (**Silver**)
COALM**G**M330501220MB (**Gold**)
COALM**A**M330501220MB (**Anthracite**)

TECHNICAL DATA:

	Units	3mm
PANEL THICKNESS TOLERANCE		
Alu thickness tolerance	mm	±0.02
Alu grade		1100, 3003, 5005
COMPOSITE PANEL SIZE		
Panel weight	kg/m ²	≥4.40
Panel length tolerance	mm	±3
Panel width tolerance	mm	±2
Panel thickness tolerance	mm	±0.2
MECHANICAL PROPERTIES		
Bending strength	MPa	≥50
Penetration resistance	KN	≥5
Shear strength	MPa	≥12
Tensile strength of Alu	MPa	≥145
Alu Proof stress(0.2%)	%	≥115
The elongation of Alu	mm/m	≥2
Liner thermal expansion	°C ⁻¹	≤0.0004
Thermal deformation temperature	°C	≥85
180° peel strength	N/mm	≥5
Heat resistance water	/	No change
COMPOSITE PANEL CORE		
Core density	g/cm ³	1.15~1.20
COATING		
Surface thickness	µm	
Glossiness	%	
Surface hardness	/	≥HB
ACOUSTIC PERFORMANCE		
Sound absorption factor	a	0.05
Sound insulation factor	Rw(dB)	25
THERMAL PERFORMANCE		
Heat transfer coefficient	W/mK	5.65
FIRE RATING CLASSIFICATION		
EN13501-I/Class C-s1,d0		

M-BOND
Aluminium Composite Panel