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LITE (Alu. Thickness: 0.2mm)					
Panel thickness	Unit	2mm	3mm	4mm	6mm
Alu thickness tolerance	mm	±0.02			
Alu grade		1100			
Composite Panel Size					
Panel weight	Kg/m ²	≥2.93	≥4.08	≥5.23	≥7.53
Panel length tolerance	mm	±3			
Panel width tolerance	mm	±2			
Panel thickness tolerance	mm	±0.2			
Mechanical Property					
Bending strength	MPa	≥50			
Penetration resistance	KN	≥3			
Shear strength	MPa	≥12			
Tensile strength of Alu	MPa	≥125			
Alu Proof stress(0.2%)	MPa	≥115			
The elongation of Alu	%	≥1			
Liner thermal expansion	mm/m/°C ⁻¹	≤0.0004			
Thermal deformation temperature	°C	≥85			
180° peel strength	N/mm	≥4			
Heat resistance water	/	No change			
Composite Panel Core					
Core density		1.15~1.20			
Fire Rating Classification					
EN13501-1 / Class C-s1,d0					
Coating					
Polyester					
Coating thickness	μm	Single avg≥16 min≥14; Double avg≥25 min≥23; Third avg≥32 min≥30			
Glossiness	%	≥25			
Coating hardness	/	≥HB			
Acoustic Performance					
Sound absorption factor	α	0.05			
Sound insulation factor	dB	23	25	26	27
Thermal Performance					
Heat transition coefficient	W/mK	5.98	5.65	5.54	5.34