

## Technical Data Sheet

### Panel Dimensions

Composite Thickness(mm)	3mm	3mm	3mm	3mm
Aluminium Thickness( mm)	0.25mm	0.18mm	0.15mm	0.12mm
Composite weight (kg/m <sup>2</sup> )	4.66kg	4.45kg	4.36kg	4.28kg
Regular sizes (mm)	1220*2440, 1500*3050			
Application	Sign& Interior wall decoration			

### Dimensional Tolerances

Thickness(mm)	±0.2mm
Width(mm)	± 2mm
Length(mm)	± 3mm
Diagonal(mm)	≥ 5mm
Thermal Expansion	1 14 mm/m at 100 deg C Temp Difference
Aluminium Thickness(mm)	±0.02

### Surface Properties

Paint Thickness(micron)	≥ 16
Pencil Hardness	≥ HB
Toughness of coating	≤ 3T
Impact strength(kg.cm)	≥ 20
Bolling Resistance	Boiling for 2 hours without change
Acid Resistance	Immerse Surface in 2% HCL for 48 hours without change
Alkaili Resistance	Immerse Surface in 2% NaOH for 48 hours without change
Oil Resistance	Immerse Surface in 20# engine oil for 48 hours without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance	Over 1000 times without change
Peel Strenght 180 deg	> 5 Newton/mm
Grade of salt spray resistance	no less than first grade
Coating adhesion	First Grade
Peel strenght (N/mm)	Average value ≥4 0,Minimum ≥ 3 0

**All technical specifications are given according to GB/T standard in CNRC**

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