



Panel Dimensions	2mm	3mm	4mm
Panel Thickness (mm)	2	3	4
Aluminium Thickness (mm)	0.3		
Standard Sizes	1220 x 2440 1500 x 3050	1220 x 2440 1500 x 3050	1500 x 3050

### Dimensional Tolerances

Thickness (mm)	- 0 + 0.2
Width (mm)	± 2
Length (mm)	± 3
Diagonal (mm)	± 5
Thermal Expansion	2.4mm/m @100°C Temp Difference
Aluminium Thickness (mm)	± 0.02

### Surface Properties

Paint Thickness (micron)	20
Pencil Hardness	>HB
Toughness of Coating	3T
Temperature Resistance	-50°C to +90°C
Impact Strength (kg cm <sup>2</sup> )	50
Boiling Water Resistance	Boiling for 2hrs without change
Acid Resistance	Immerse Surface in 2% HCl for 24Hrs without change
Alkali Resistance	Immersed surface in 2% NaOH for 24Hrs without change
Oil Resistance	Immerse Surface in 20# engine oil for 24hrs without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance	>1000 times without change
Peel Strength 180°	>5 Newton / mm

### Product Properties

Weight (Kg m <sup>2</sup> )	2.9	3.8	4.75
Sound Absorbtion NRC	0.05		
Sound Attenuation R <sub>w</sub> db	23	24	25
Water Absorbtion % By Volume	0.01		
Thermal Performance R Values	0.0047	0.0057	0.0012
Core Composition	LDPE Polyethylene		
Fire Performance	Class 1 BS476 PT7		
	Class O BS476 P16		