



Physical Properties

Panel Dimensions

| | 3mm | 4mm |
|---------------------|-------|-------|
| Panel Thickness | 3mm | 4mm |
| Aluminium Thickness | 0.3mm | 0.5mm |

Product Properties

| | | |
|------------------------------|-----------------------|-----------------------|
| Weight | 4.1 kg m ² | 5.8 kg m ² |
| Sound Absorption NRC | 0.05 | 0.05 |
| Sound Absorption Rw db | 24 | 25 |
| Water Absorption % By Volume | 0.01 | 0.01 |
| Thermal Performance R Values | 0.0057 | 0.0012 |
| Peel Strength 180° | >5 N/mm | |
| Stripping Roller | | >130 N mm/mm |

Dimensional Tolerances

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

Surface Properties

| | |
|-----------------------------|--|
| Paint Thickness | PVDF Coating ≥27um Polyester Coating ≥16um |
| Pencil Hardness | H |
| Toughness of Coating | 2T no cracking |
| Temperature Resistance | -50°C to 70°C |
| Reverse Strength Crosshatch | 50 kg cm ² no pick of |
| Boiling Water Resistance | Boiling for 2hrs without change |
| Acid Resistance | Immerse Surface in 5% Hc1 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 |