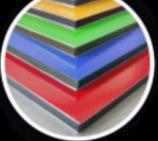


TECHNICAL SPECIFICATION



PREMIER BOND is to provide organisations with a range of eco-friendly products which save energy, increase company profits and benefit the environment, through our extensive network of agents and partners.

We also pride ourselves on the advice and services we provide to partners and companies wishing to become greener. Aluminium Composite Panel is a type of flat panel that consists of two thin Aluminium sheets bonded to a non-aluminium core.

Composite Panels are typically 0.30mm thick aluminium sheets covering a solid polyethylene core with a total thickness of 3mm.

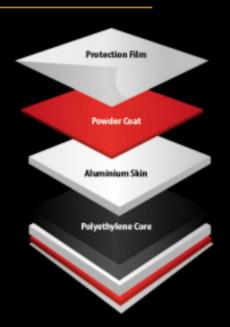
UNIQUE BENEFITS

- · Special aluminium alloy offers increased corrosion resistance and advantages in processing.
- Super-polyester lacquer guarantees ideal printing properties, for screen & digital printing.
- Black PE core with UV blocker increases UV resistance (compared to a bright core material).
- Despite its light weight, PREMIER BOND offers high rigidity & perfect flatness.
- Excellent exterior stability within a range of temperatures from -50 to +80°C.
- PREMIER BOND is environmentally friendly and fully recyclable.

FEATURES & APPLICATIONS

Premier Bond is suitable for a huge range of applications in a variety of industries including those where fabrication is required

- Lightweight and rigid with high impact resistance, strong and durable.
- Flat surface, perfect for printing and vinyl application.
- Weatherproof, sound and thermal resistance.
- Water, chemical and corrosion resistance with easy maintenance.
- · Selection of different colours and 4 special finishes.
- Sale displays and trade stand designs.
- Partitioning, Cladding and suspended ceilings.
- · Sound, heat insulation and industrial applications.



PANEL SURFACE

Heat Definition temperature	271.3°C
Flexural Strength	104MPa
Shear Strength	8.9kN
Peel Strength	0.75kgf/mm
Tensile Strength	46.8MPa
Gloss	49.4
Coating Thickness	28.0µm
Adhesion	5B
Pencil Hardness (Scratch Hardness)	2H
Rapid Deformation (Impact)	>1.81kgf-m
Toughness of Coating	3T
Temperature Resistance	-50°C to +80°C
Impact Strength (kg/CM2)	50

PANEL PROPERTIES

Panel Thickness (mm)	3.0
Sound Absorption	0.05
Sound Attenuation	24
Water Absorption % by Volume	0.01
Thermal Performance R Values	0.008
Core Composition	LDPE
Tensile Strength of Aluminium Layers	149MPa

COLOUR CHART

