

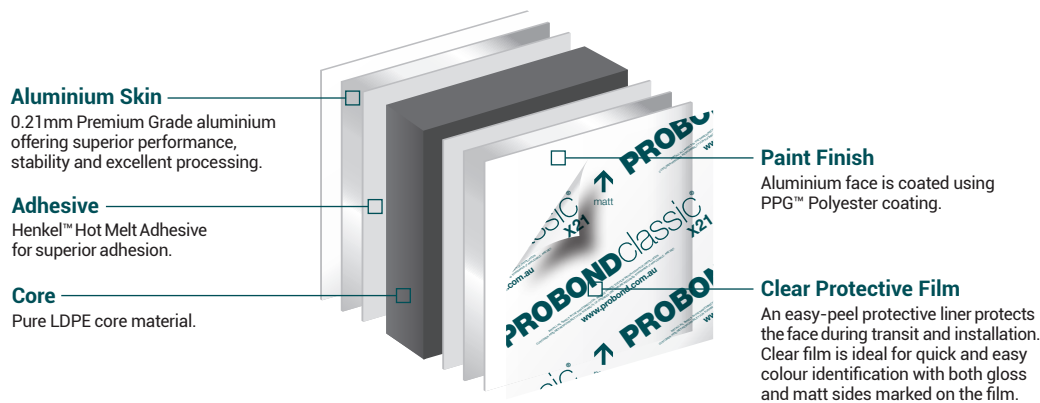
TECHNICAL DATA

PROBONDclassic[®]X21

PROBOND ClassicX21[®] is a great intermediate panel for all types of general signage applications.

Available in a wide range of sizes with a 0.21mm skin thickness, the PROBOND ClassicX21[®] range of panels is the ideal choice for every day panel requirements for sign-makers.

It is suitable for CNC routing and folding and comes with clear protection film for quick and easy colour identification.



Quality
ISO 9001

PROBOND Classic X21 - Properties

Panel Thickness (mm)	3mm
Aluminium Thickness (mm)	0.21mm
Weight (kg/m²)	4.25kg
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	32 MPa
Bending Strength	> 60MPa
Bending Elastic Modulus	> 1.5 x 10 ⁴ MPa
Penetration Resistance	> 5.0kN
Shearing Strength	> 20.0MPa
Standard Sizes (mm)	2440mm X 1220mm, 3660mm X 1220mm, 3050mm X 1500mm, 4000mm X 1500mm

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PROBOND[®]classic[®]X21

Dimensional tolerances

Panel Thickness (mm)	3mm
Width (mm)	-0 +2 (+/- 0.2)
Length (mm)	-0 +3 (+/- 0.2)
Diagonal	-0 +5 (+/- 0.2)
Thermal Expansion	2.4mm/m @100°C temp difference
Aluminium Thickness	0.21 mm

Surface Properties

Paint Thickness (microns)	18±1µm
Pencil Hardness	2H
Toughness of Coating	≤2T
Temperature Resistance	- 50°C - 80°C
Impact Strength (kg/CM2)	30kg/cm2. No crack
Boiling Water Resistance	Boiling for 2 hours without change
Acid Resistance	Immerse surface with 2%HCL(v/v) for 24H without change
Alkali Resistance	Immerse surface with 2%NaOH(m/m) for 24H without change
Oil Resistance	Immerse surface with 20# engine oil for 24H without change
Solvent Resistance	Clean 100 times with Methyl Ethyl Ketone (MEK) without change
Peel Strength	5.5 N/mm

Recyclability and Recycling Service

All PROBOND[®] Architectural Aluminium Composite Panel are fully recyclable.

The aluminium skins and core material can be fully recycled and reused in the production of new materials.

With a commitment to the environment, PROBOND[®] Architectural conducts a complete recycling program and receives Aluminium Composite Panel waste and off-cuts for the purposes of recycling.

Environment and Health and Safety

During the lifecycle of PROBOND[®] Aluminium Composite Panel no substances containing CFC, VOCs are released.

All finishes used in the production of PROBOND[®] Aluminium Composite Panel are RoHS compliant and do not contain Lead, Cadmium, Chromium or Mercury.

Published information concerning PROBOND products is based upon research which the company believes to be reliable but such information does not constitute a warranty. Because of the variety of possible uses for PROBOND products and the continuing development of new uses, the purchaser should carefully consider the fitness and performance of the product for each intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product of for incidental or consequential damages.

All specifications subject to change without prior notice.

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