

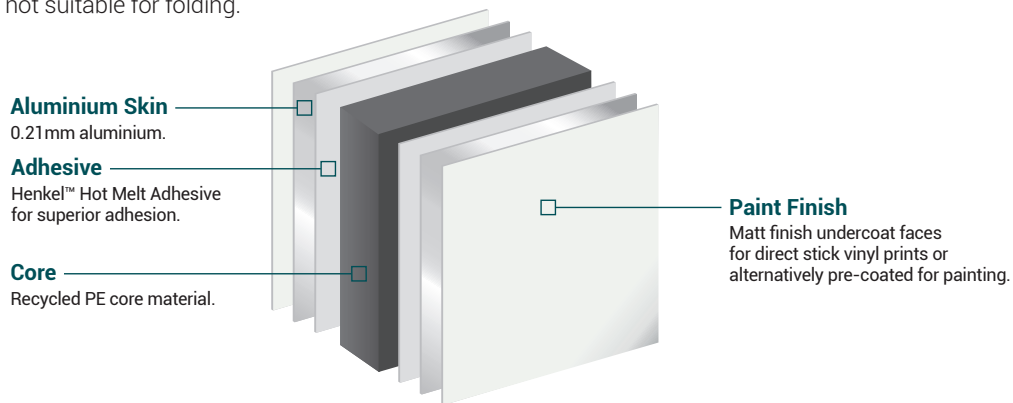
# TECHNICAL DATA PROBOND<sup>®</sup>smart

PROBOND Smart<sup>®</sup> is the ideal panel for use as a substrate for mounting self adhesive digital prints to. It is a 3mm thick panel with 0.21mm skins and an off-white undercoat face on each side.

The undercoat faces are suitable as a pre-coating for the application of paint finishes.

Ideal for flat signage applications, PROBOND Smart<sup>®</sup> is suitable for all internal and shorter term external vinyl wrapped panels. Additionally it can be used as a backing in lightbox applications.

PROBOND Smart<sup>®</sup> is not suitable for folding.



## PROBOND Smart - Properties

<b>Panel Thickness (mm)</b>	3mm
<b>Aluminium Thickness (mm)</b>	0.21mm
<b>Weight (kg/m<sup>2</sup>)</b>	4.5kg
<b>Sound Absorption</b>	0.05
<b>Sound Attenuation</b>	24
<b>Water Absorption % by Volume</b>	0.01
<b>Core Composition</b>	LDPE
<b>Tensile Strength of Aluminium Layers</b>	29 MPa
<b>Standard Sizes (mm)</b>	2440mmX1220mm

## Dimensional tolerances

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

## TECHNICAL DATA **PROBOND**smart®

### Surface Properties

<b>Paint Thickness (microns)</b>	8±1µm
<b>Pencil Hardness</b>	H
<b>Toughness of Coating</b>	≤3T
<b>Temperature Resistance</b>	-50°C - 80°C
<b>Impact Strength (kg/CM2)</b>	30kg/cm2. No crack
<b>Boiling Water Resistance</b>	Boiling for 2hours without change
<b>Solvent Resistance</b>	Clean 100 times with Methyl Ethyl Ketone (MEK) without change
<b>Peel Strength</b>	4.5 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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