




vitrabond
ALUMINIUM COMPOSITE PANEL
BY FAIRVIEW



PRODUCT INTRODUCTION

PRODUCT DESCRIPTION



VITRABOND aluminium composite material (ACM) is a highly versatile facade panel offering excellent durability and extreme weather resistance, ideal for façades, fasciae, soffits, awnings and many more applications.

VITRABOND ACM is composed of two aluminium cover sheets sandwiched with a special homogenous core material, which forms a 4mm thick composite panel resulting in outstanding surface flatness and high workability, with an excellent strength to weight ratio. VITRABOND can be installed by a concealed tape fix system, or by fabricating off-site into pre-made cassettes and then secret-fixed to a top hat sub-structure with hidden mechanical fixings. VITRABOND requires very minimal maintenance and has an up to 20 year warranty when installed by a licensed installer.

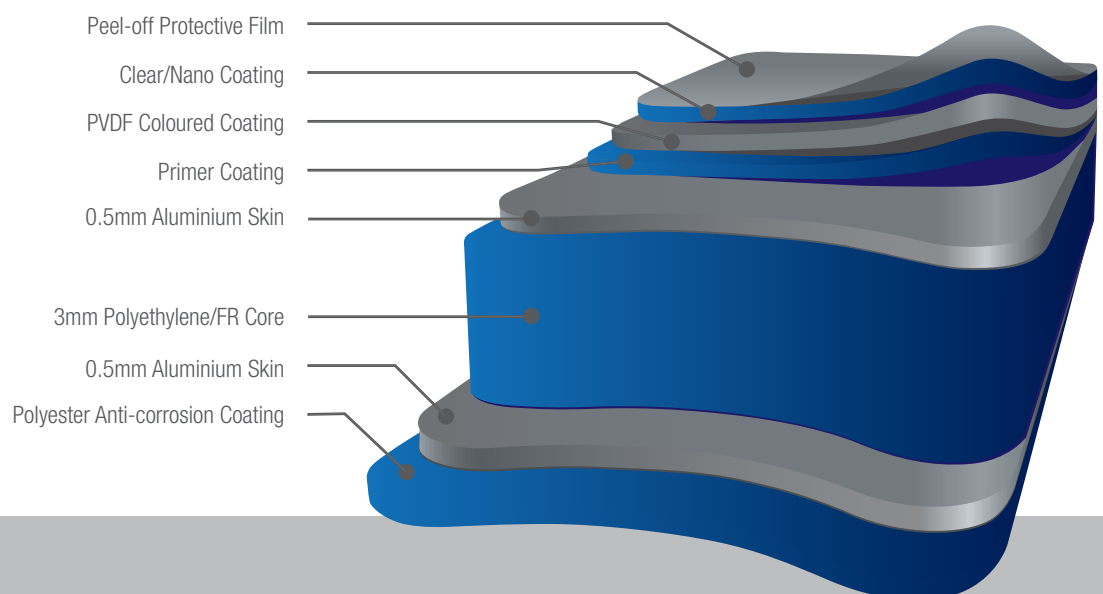
VITRABOND has a long track record of consistency, reliability and quality. With our large stock levels, unlimited colour range, and our continual product development, we at Fairview Architectural are readily available to meet your requirements.



KEY BENEFITS

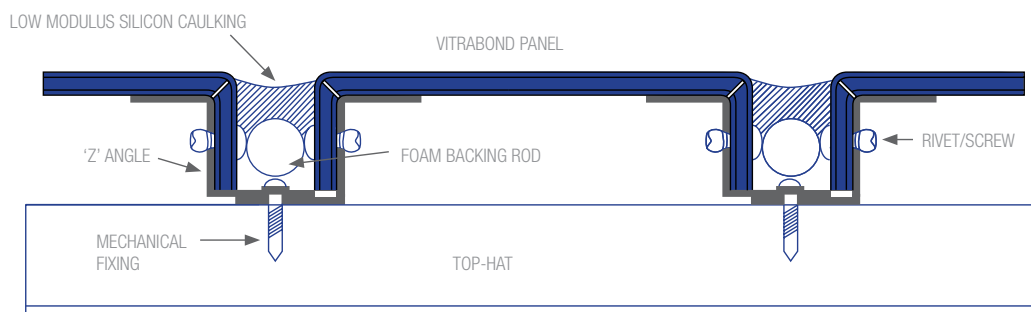
- Robust durability & Lightweight
- High stock levels and quick lead times
- 20 Year warranty available!
- Unlimited colour range available
- Cost effective
- Low maintenance
- Over 60 standard colours
- Concealed Fixing
- Highly durable PVDF fluoro polymer Kynar 500 coating system.
- Fold panels around corners, over parapets, wrap fasciae and curve around columns.
- Peel-off protective film
- Also available in Natural Zinc, Stainless Steel, Brushed Aluminium and Natural Copper

COMPOSITION

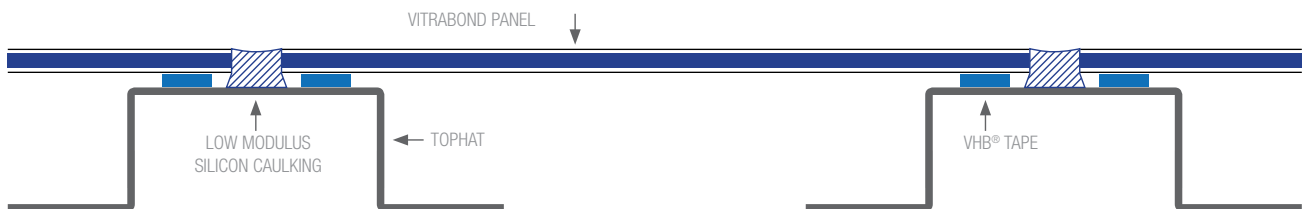


INSTALLATION DETAILS

CASSETTE FIX



3M™ TAPE FIX



 Request an Installation Guide for more detail



PRODUCT COLOUR RANGE



CLASSICO
SOLID COLOURS



METALLICA
METALLIC COLOURS



NATURALINE
NATURAL METAL FINISHES



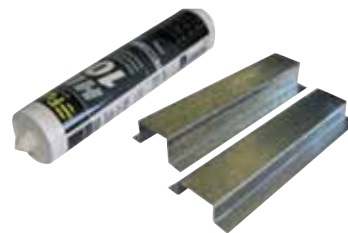
VITRA FX
SPECIAL EFFECTS COLOURS



VITRABOND
UNLIMITED COLOURS



VITRACREATE
WOOD & STONE FINISHES



ACCESSORIES



PLEASE REQUEST
A COLOUR CHART TODAY*

AUS/UK

WIDTHS (mm)	LENGTHS (mm)
1250	2500
	3200
	4000
1570	2500
	3200
	4000

USA

WIDTHS (")	LENGTHS (")
40	122
	146
	196
50	122
	146
	196
62	122
	146
	196

Please note: Not all colours available in all sizes

BRIEF SPECIFICATION TEMPLATE

PAINT FINISH

- The surface shall consist of PVDF paint finish, as per sample supplied by Fairview Architectural.
- The paint process shall be a two or three-coat system as required, consisting of a primer, top-coat (not necessary for natural metal finishes) and clear coat.
- The paint process shall be in accordance with the following testing; colour retention as per ASTM D-2244-93, gloss retention as per ASTM D-523-89 and chalk resistance as per ASTM D-4214-89.
- The paint process shall be tested to withstand the following with no change; adhesion test as per ASTM D-3359-8, salt spray test as per ASTM B-117-90, humidity test as per ASTM B-2247-94 and chemical test as per ASTM D-1308-87/2248-93.
- The reverse side shall consist of a polyester service coating to protect the aluminium against corrosion.

PHYSICAL PROPERTIES

- The 0.5mm aluminium skins shall be minimum 3003-H16 grade with minimum density of 2.72kg/cm³.
- The 3mm core material shall be anti-toxic recycled polyethylene (LDPE) which conforms to the Australian fire standard as per AS1530 part 3.
- The lamination of the aluminium skins to the core shall be in accordance with the following testing; vertical pull as per ASTM C-297, drum peel as per ASTM D-1781 and flat sheer as per ASTM D-1002.
- The panel shall be in accordance with the following testing; tensile strength, yield strength and elongation as per ASTM E-8 and flexural rigidity as per ASTM C-393.
- The panel's thermal properties shall be in accordance with the following testing; thermal expansion as per ASTM D-696, thermal conductivity as per ASTM D-976 and deflection temperature as per ASTM D-648.

INSTALLATION & MAINTENANCE

- The sub-frame shall be level and aligned and consist of cold-rolled galvanised top-hats supplied by Fairview Architectural or equivalent, and installed over water-proof membrane at maximum 600mm centres.
- The panel shall be installed using the hidden-fix cassette method or tape fix method as per manufacturer's recommendations.
- The joints shall be 12mm wide (+/-2mm) and sealed with HBF 100 low-modulus silicon (insert colour) supplied by Fairview (or equivalent e.g. Bostik® 5CLM) and with minimum movement capability of 100% elongation and 50% compression.

PROJECTS



LOCATION: 400 George St, Brisbane
PRODUCT: Vitrabond Quartz Zinc
ARCHITECT: Cox Rayner Architects & Planners
BUILDER: Thiess Pty Ltd



LOCATION: Linnaeus Way & Biology Pl, Acton
PRODUCT: Vitrabond 4mm Aluminium Composite Panel
ARCHITECT: Lyons Architects
BUILDER: Hindmarsh



LOCATION: 350 Tooronga Rd, Hawthorn East, VIC
PRODUCT: Vitrabond Aluminium Composite Panel
ARCHITECT: Plus Architecture
BUILDER: L U Simon Builders Pty Ltd



LOCATION: 24-28 Union St & 30-70 Pyrmont St, Pyrmont, NSW
PRODUCT: Vitrabond Aluminium Composite Panel
ARCHITECT: The Buchan Group
BUILDER: Brookfield Multiplex



MANUFACTURED & SUPPLIED BY:



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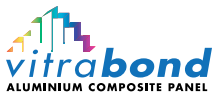
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PRODUCT RANGE BY FAIRVIEW



VITRABOND

Aluminium Composite Panel



VITRACORE

Non-Combustible Composite Panel



CERAMAPANEL

Prefinished CFC



EUROPANEL

Prefinished CFC



ARGETON

Terracotta Facade Tiles



SONICWALL

Autoclaved Aerated Concrete

