



Vitrabond/A2 / VitraDual Hook On

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Detailed description

Hook on aluminium cladding panels.

Vitrabond/A2:

Vitrabond is composed of two aluminium cover sheets sandwiched with a special homogeneous core material. It results in good surface flatness and high workability, with an excellent strength-to-weight ratio.

Suitable for both exterior and interior architectural applications, as well as for industrial and specialty product designs. Applications include exterior cladding, signage, corporate ID, column covers, interior partitions, canopies, equipment enclosures and kiosks.

- Features and benefits:

- Cost effective.
- Low maintenance.
- Robust durability and strength.
- A2-s1, d0 rated to EN13501-1
- Lightweight.
- Wide colour range available.
- Available in natural zinc, stainless steel, natural aluminium and natural copper finishes.
- Warranty available up to 20 years - consult manufacturer for details.

VitraDual:

A1 rated, non-combustible, highly impact resistant solid panel aluminium cladding, providing high durability and mechanical benefits. Designed to provide a non-combustible aluminium panel solution that can be fitted as both cassette panels and flat sheets with no oil-canning appearance, offering a cost effective, non-combustible and aesthetically pleasing alternative to other flat sheet panel systems. VitraDual can be combined with Vitrabond cladding panels when required.

The system uses a 2 mm or 3 mm thick cladding panel which is a durable, impact resistant solid panel and can be prefabricated through curving, rolling or perforation. VitraDual uses the Vitrabond/ Vitracore polyvinylidene fluoride or polyvinylidene difluoride (PVDF) coating system which can be colour matched or provided in RAL colours, stone and wood effect finishes. VitraDual cladding panels are prefinished which means they do not need fabrication prior to the coating process.

- Features and benefits:

- Lightweight - rigid and lightweight, and therefore also easy to install.
- Non-combustible - A1 rated (to BS EN 13501-1).
- Versatile - Can be custom designed into a wide range of shapes and

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dimensions along with perforated or curved in some applications.

- Easy to maintain compared to polyester based coatings.
- Highly durable and impact resistant, can be used effectively in high traffic areas.
- Paint system - uses the highly recognised PVDF KYNAR 500 or FEVE paints known for their high durability, providing the optimum resistance to weather and industrial pollutants.
- Warranty available up to 30 years - consult manufacturer for details.
- Extremely Flat - low surface stress.

Applications:

External cladding.

Product guidance - As Standard

Material:

- Vitrabond/A2: Aluminium with mineral filled core.
- VitraDual: Aluminium (3000 and 5000 series).

Fixing:

Hook on.

Fire rating (to BS EN 13501-1):

- Vitrabond/A2: A2-s1, d0 non-combustible.
- VitraDual: A1 non-combustible.

Technical characteristics:

Dependent on product and thickness, consult manufacturer for information.

Options

Finish:

It is possible to re-anodize Vitrabond in custom colours or designs - consult manufacturer for details.

Design:

Panels can be custom designed into a wide range of shapes and dimensions along with perforations or curves in some applications. Consult manufacturer for information.

Product specification

Manufacturer

- Name: Valcan Ltd
- Web: www.valcan.co.uk
- Email: enquiries@valcan.co.uk

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Product reference Vitrabond/A2 Hook On - A2-s1, d0 non-combustible fire rating.
VitraDual Hook On - A1 non-combustible fire rating.

Design []

Thickness 2 mm - For VitraDual only, 5.4 kg/m².
3 mm - For VitraDual only, 8.1 kg/m².
4 mm - For Vitrabond/A2 only, 8.3 kg/m².
Special order - For Vitrabond and VitraDual, insert requirement.

Panel size

- Width 1250 mm
1500 mm
Special order - Insert requirement, available 900–1800 mm.

- Length 2500 mm
3200 mm
4000 mm
Special order - Insert requirement, available up to 6500 mm.

Edges Natural - Insert requirement, consult manufacturer's literature for information.

Finish Anodized - For Vitrabond and VitraDual, insert requirement.
ANTI-BACTERIA Coating - For Vitrabond only, to meet food handling and storage requirements.
FEVE
Natural aluminium - For Vitrabond only.
Natural copper - For Vitrabond only.
Natural zinc - For Vitrabond only.
PVDF KYNAR 500
REPEL - A self-cleaning surface coating.
SCREEN PRINTING - For Vitrabond only, personalized design and imagery.
Stainless steel - For Vitrabond only.
STATIC DISSIPATIVE - For Vitrabond only, designed for IT industries.
VITRAART - For Vitrabond and VitraDual, personalized design and imagery.
VITREFLON V700 - For Vitrabond and VitraDual.

Colour []