



VALCAN

Specifications for Chorus – **EvverLap & Vitrafix VF1**

System overview

This is a complete system specification for Valcan's EvverLap and Vitrafix, plus fixings to the wall from Certifix (in partnership with Valcan). This provides a comprehensive warranty on the complete system. All Certifix provided products are tested and certified in accordance with ADB v2 for high rise buildings. All batch numbers will be recorded, regular site visits to be made by Valcan and Certifix during the installation, frequency to be decided at order stage with client.

EvverLap overview:

A non combustibile rainscreen façade panel installed as an overlapping weatherboard system.

Features and benefits:

- Overlapping/weatherboard installation
- No oil-canning appearance.
- Offering a cost-effective and aesthetically pleasing facade solution.
- Lightweight and rigid, easy to install.
- Non-combustible
- Versatile: Can be custom designed into a wide range of shapes and dimensions along with perforated or curved in some applications.
- Finished with PVDF KYNAR 500 or FEVE paints, known for their high durability, providing the optimum resistance to weather and industrial pollutants.
- Warranty available up to 10 years - consult manufacturer for details.

Application:

Particularly suited to both internal and external modern commercial, residential and industrial buildings, where a non-combustible facade is required with the natural aesthetics of timber.

Panels are cut installed with a 40mm overlap weatherboard appearance. Fixings are concealed behind the overlap and can be colour matched to the panel if required.

Durability:

Contacts:

- www.valcan.co.uk
- enquiries@valcan.co.uk
- T: +44 (0) 1278 428 245

Vitrafix systems

Aluminium carrier system brackets, profiles and fixings which have been tested to BS 8414-1 and BS 8414-2 and are Centre for Window and Cladding Technology (CWCT) tested. Designed to offer a cost effective yet strong carrier system, and is suitable for all building types.

Vitrafix VF1

VF1 system has adjustability of 102–235 mm and can be further extended by combining the Vitrafix VF2/TH system to give an additional depth - consult manufacturer for further details. Custom depth brackets are also available.

Vitrafix VF2

VF2 system comprises of aluminium or steel top-hats and C-channel rails to allow brackets to be installed in isolation of stud location or increase system depth. The VF2 top-hats can also be used in the own right to replace timber batten style sub grids.

Features and benefits:

- Lightweight.
- Durable.
- Tested to BS 8414.
- Tested to Centre for Window and Cladding Technology (CWCT).
- System warranty available - contact manufacturer's technical team for information.

Application:

For panel systems using VF1 fixings for [PROJECT NAME]

SYSTEM SPECIFICATION

- **Façade Panel**
 - **Product reference:** EverLap
 - **Thickness/weight:**
 - [10 mm] - 12 kg/m².
 - **Panel size (l x w):**
 - [3000 x 210 mm]
 - **Colour:** Colour tbc
- **Fixing:**
 - [VFSDP5.535C] - Vitrafix Self Drill Panhead 5.5x35mm, A4, Colour Matched to panel, 200/box
- **Carrier system**

- **Product reference:** Vitrafix VF1
 - Material: Aluminium
 - Manufacturer:
 - Valcan
 - www.valcan.co.uk
 - enquiries@valcan.co.uk
 - T: +44 (0) 1278 428 245
- **Brackets:**
 - [VF100DB] - 100 mm double bracket (no pad), 102–132 mm adjustment.
 - [VF100SB] - 100 mm single bracket (no pad), 102–132 mm adjustment.
 - [VF140DB] - 140 mm double bracket (no pad), 142–172 mm adjustment.
 - [VF140SB] - 140 mm single bracket (no pad), 142–172 mm adjustment.
 - [VF180DB] - 180 mm double bracket (no pad), 182–212 mm adjustment.
 - [VF180SB] - 180 mm single bracket (no pad), 182–212 mm adjustment.
 - [VF200DB] - 200 mm double bracket (no pad), 202–232 mm adjustment.
 - [VF200SB] - 200 mm single bracket (no pad), 202–232 mm adjustment.
- **Rails:**
 - [VFTR503] - T Rail, 50 x 100 x 3000 mm.
 - [VFTR506] - T Rail, 50 x 100 x 6000 mm.
 - [VFLR503] - L Rail, 50 x 50 x 3000 mm.
 - [VFLR506] - L Rail, 50 x 50 x 6000 mm.
- **Horizontal rails:** Vitrafix VF2
 - [not required for masonry wall]
 - VF2/U attached to SFS locations allowing brackets to be installed in isolation to stud location
 - VF2/U 90x15x2mm, 3m Rail (aluminium)
 - VF2/U 174x15x2mm, 3mm Rail (aluminium)
 - Fixing to stud - VFSD.538/A4 – VitraFix Self-Drill, A4 Grade 5.5x38mm, 8mm Hex Head w/washer – see manufacturers details for fixing centres
- **Fixings:**
 - VFSD4.825/A4 - Vitrafix self Drill, 4.8x25mm, A4 Grade, 8mm Hex Head
 - VFSD.538/A4 – VitraFix Self-Drill, A4 Grade 5.5x38mm, 8mm Hex Head w/washer
 - Masonry anchors by Certifix Ltd - ETA approved fire rated fixing
- **Accessories:**
 - [VFIPDB] - Double bracket thermal pad, adds 3 mm adjustment.
 - [VFIPSB] - Single bracket thermal pad, adds 3 mm adjustment.
- **Panel Joints:**
 - [overlapping]
 - [closed joints]

- **Cavity depth:**
 - [50 mm open joint installation] – measured from face of insulation to rear of panel, can be reduced by 50% at fire barrier locations or other “pinch” points
 - [25 mm closed joint installation] – measured from face of insulation to rear of panel, can be reduced by 50% at fire barrier locations or other “pinch” points
 - [other] – consult CWCT section 3.4.4.4
- **Window Flashing:**
 - **Product reference:**
 - 25mm wide window flashing profile
 - **Manufacturer:**
 - **Certifix Contacts:**
 - www.certifix.co.uk
 - Sales@certifix.co.uk
 - T: +44 (0) 161 672 3333
- **Sheathing board**
 - **Product reference:**
 - ProcellaPro
 - **Thickness/weight:**
 - [12 mm] – 21.6 kg/m².
 - **Panel size (l x w):**
 - [2500 x 1250 mm]
 - **Fire Rating to BS EN 13501-1: A1**
 - **Manufacturer:**
 - Valcan
 - www.valcan.co.uk
 - enquiries@valcan.co.uk
 - T: +44 (0) 1278 428 245
 - **Fixings:** [VFSDPP4.838/WT] – Vitrafix Self Drill ProcellaPro WT fixing, 4.8x38mm with Countersunk Head – Consult manufacturers details for fixing layouts
- **Fire Barriers**
 - **Product reference:**
 - Certifix VRFB+ Open state horizontal barrier
 - Certifix NVRFB Non-ventilated Vertical barrier
 - **Fire performance:**
 - Insulation:
 - Integrity:
 - **Manufacturer:**
 - **Certifix Contacts:**

- www.certifix.co.uk
 - Sales@certifix.co.uk
 - T: +44 (0) 161 672 3333
- **Fixings:** Fire tested fixings to be advised by Certifix Ltd to equivalent performance of fire barrier, fixing reference dictated by substrate
- **Breather Membrane**
 - **Product reference:** CFAIBM – Certifix AI Breather Membrane.
 - **Fire performance (BS EN 13501-1):** A1
 - **Manufacturer:**
 - **Certifix Contacts:**
 - www.certifix.co.uk
 - Sales@certifix.co.uk
 - T: +44 (0) 161 672 3333
- **Insulation**
 - **Product reference:** Certifix Mineral Wool Rainscreen Slab
 - **Product thickness:** tbc
 - **Thermal Performance:** 0.034 w/mK
 - **Fire rating (BS EN 13501-1):** A1
 - **Distributor:**
 - **Certifix Contacts:**
 - www.certifix.co.uk
 - Sales@certifix.co.uk
 - T: +44 (0) 161 672 3333
 - **Fixings:** CIA/FR – Certifix Fire rated insulation fixings
- **Masonry fixings**
 - **Product reference:** Fire Rated, ETA approved fixing, Certifix Ltd to carry out pull out test on site to determine correct fixing
 - **Manufacturer:**
 - **Certifix Contacts:**
 - www.certifix.co.uk
 - Sales@certifix.co.uk
 - T: +44 (0) 161 672 3333