ALT ClicWall
BPIR Technical Statement

Welcome to a new era in decorative panels.

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Overview

Issue Date: 29.04.26
Version Number: 001
BPIR Class: Class 1
Product Collection: ALT by VidaSpace
CBI Number: 5511VS VidaSpace Timber Veneer Cabinetry - Masterspec
Origin: Europe

Product Description

ALT ClicWall is a decorative wall panel system intended for internal wall linings. The Uniclic joint ensures seamless transitions and fast installation. Constructed using the same technology as the TFL panels, the finished surface is low maintenance and provides a durable solution for residential and commercial applications.

ALT ClicWall is available in the MasterOak designs, and the following dimensions:
- 2785 x 600 x 12mm FR
- 3500 x 600 x 12mm FR
- 2785 x 600 x 10mm MR
- 3500 x 600 x 10mm MR

ALT ClicWall is designed for use in conjunction with ALT TFL panels and HPL, enabling a consistent design aesthetic across multiple interior applications. *Please note that slight variations in tone and sheen may occur between TFL, HPL, and Clicwall. To minimise visible differences, we recommend avoiding the use of these materials on the same surface or plane.

The FR MasterOak ClicWall panels are suitable for use in applications where a Group 1-S surface finish rating is required. The fire-retardant construction removes the need for additional intumescent coatings, while the Uniclic system allows for faster and more straightforward installation. ClicWall provides a cost and time efficient solution with increased durability, while maintaining a consistent timber appearance, making it a practical alternative to veneer finishes in applications with fire performance requirements.

Features

MasterOak ClicWall – Timber touch technology, scratch resistant, UV stable, stain resistant, super matte, no pattern repeat within a panel, synchronised grain, large sheet size, antibacterial and food safe. fast installation, seamless joints, FR/Group 1-S available.

Product Details

	MasterOak
Construction	Melamine Faced MDF
Front Face	Melamine
Core	MR (Moisture Resistant) or FR (Fire Retardant) MDF
Back Face	Melamine
Pattern	Mixmatch Oak
Dimensions	2785x600x12mm FR 3500x600x12mm FR 2785x600x10mm MR 3500x600x10mm MR
Surface Area	1.671m2 (2785mm panel) 2.1m2 (3500mm panel)
Texture	Synchronised embossed texture with 64 depth points
Origin	Europe
Responsible Certification	C2C, FSC® on request, EPD, CARB 2
Warranty	10 Years

Product Ingredients

MR or FR MDF
Melamine resin
Decorative paper

Technical Details

	MasterOak
Density	EN323 = 700 ± 50 Kg/m³
Gloss Level	EN 2813 = 1.6%
Thermal Conductivity	EN 13986 = 0.1 W/(m·K)
Formaldehyde Emission	AS/NZS1859.2= E0
PCP (Pentachlorophenol)	EN 13986-5.18 = <5
Reaction to Fire - Walls & Ceilings	FR MDF - EN3501-1 =B-s1,d0 (Group 1-s) MR MDF = Group 3
Antibacterial Activity	ISO 22196:2011-0 = Reduction of >99.9%
Food Safety	EN 13130-1/ EN 1186 = conform
Recovered Wood Content	100%

	Standard	Test Method	Results
Thickness variation relative to nominal value	EN 14322 - T1	EN 14323 - 5.1	± 0.3mm
Thickness variation within the board	EN 14322 - T1	EN 14323 - 5.1	tmax-tmin ≤ 0.6mm
Length variation	EN 14322 - T1	EN 14323 - 5.1	± 5mm
Width variation	EN 14322 - T1	EN 14323 - 5.1	± 5mm
Flatness	EN 14322 - T1	EN 14323 - 5.2	≤ 2mm/Lm
Edge Damage : 4 Sides	EN 14322 - T1	EN 14323 - 5.3	< 10mm
Surface Defects (points)	EN 14322 - T1	EN 14323 - 5.4	≤ 2mm / m²
Surface Defects (lines)	EN 14322 - T1	EN 14323 - 5.4	≤ 20 mm / m²
Resistance to scratching	EN 14322 - T1	EN 14323 - 5.5	≥ 1.5N
Resistance to staining	EN 14322 - T1	EN 14323 - 5.6	≥ 3 Rating
Resistance to cracking	EN 14322 - T1	EN 14323 - 5.7	≥ 3 Rating

Product Matrix

MasterOak

Colour	Substrate	SKU	Dimensions	Surface Area
Light Natural	MR MDF	VS3001-CWMR	2785x600x12mm FR (Stocked) 3500x600x12mm FR (Indent) 2785x600x10mm MR (Indent) 3500x600x10mm MR (Indent)	1.671m2 (2785mm panel) 2.1m2 (3500mm panel)
	FR MDF	VS3001-CWFR		
Natural	MR MDF	VS3002-CWMR		
	FR MDF	VS3002-CWFR		
Natural Copper	MR MDF	VS3003-CWMR		
	FR MDF	VS3003-CWFR		
Double Fumed	MR MDF	VS3004-CWMR		
	FR MDF	VS3004-CWFR		
Green	MR MDF	VS3005-CWMR		
	FR MDF	VS3005-CWFR		


Light Natural


Natural


Double Fumed


Natural Copper


Green

Edge Banding

ABS and Laser – 100m roll – 1mm x 22mm
ABS and Laser – 100m roll – 1mm x 45mm
Except MasterOak ABS - 23mm and 43mm

Handling & Storage

- Avoid leaning panels against walls – flat storage only with bearers that are uniform in thickness and extend the full width of the panels
- Store panels inside, away from heat, direct sunlight or moisture.
- Always lift panels rather than sliding or dragging them to avoid chipping the edges or damaging the prefinished, decorative surface
- Use edge protectors or padding when transporting panels to avoid damage to the lock profile and edges.

Care Guide

Download the care guide here or find on our website - www.vidaspace.co.nz

Certification Information

C2C - A sustainable design framework that models industrial processes on nature's regenerative cycles, aiming for zero waste by continuously reusing materials in closed loops.

EPD - Environmental Product Declaration is an independently verified way to transparently communicate a product's environmental impact throughout its entire life cycle.

CARB 2 - CARB II (California Air Resources Board Phase 2) and TSA Title VI (Toxic Substances Control Act Title VI) certifications are related to formaldehyde emissions in composite wood products, ensuring compliance with environmental regulations. These certifications confirm that wood-based materials meet specific emission limits for formaldehyde, contributing to indoor air quality and environmental protection.

FSC® on Request - Forest Stewardship Council, is an organization that promotes responsible forest management. FSC® Certified indicates that a product can be sourced from FSC® Certified forests to prove its commitment to sustainable and ethical wood sourcing.

Healthy Building Certifications

With the third-party sustainability and healthy product testing, ALT products could contribute points towards achieving the following Healthy Building Certifications.

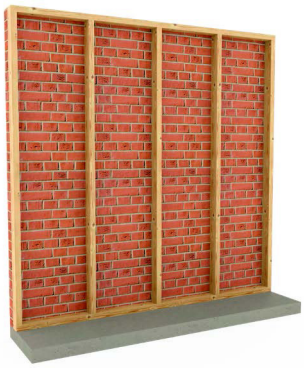
- Homestar
- Green Star
- Living Building Challenge

Installation

Download the full installation guide on our website - www.vidaspace.co.nz

1

2



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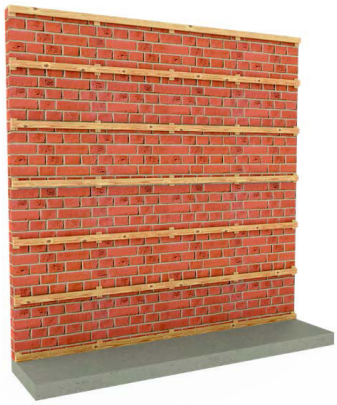

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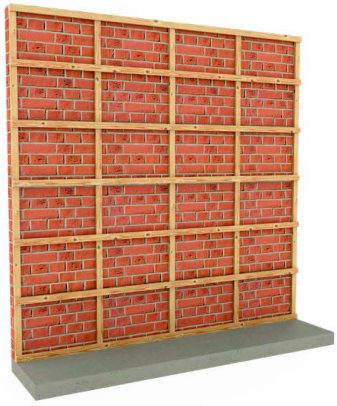


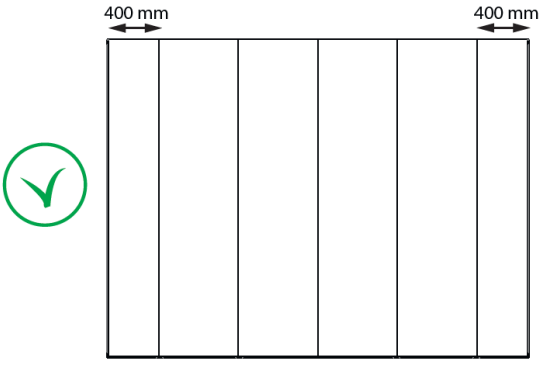
Installing the substructure

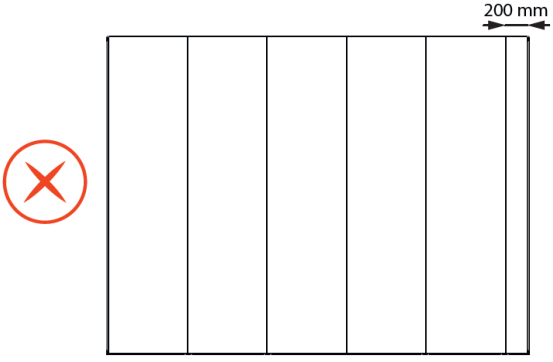
You generally install ClicWall on a substructure. Install the structure in a straight line, level and without undulations.

There are various types of substructures:

1. **Vertical posts of metal studs**
   - Centre-to-centre distance 600mm
2. **CLS/SLS**
   - Centre-to-centre distance 600mm
3. **Ceiling slats/roof battens directly on the wall horizontally**
   - Centre-to-centre distance 400mm
   - Use spacer screws or packing shims to obtain a flat, aligned surface.
4. **Wooden grid**
   - Vertical posts, centre distance 600mm (e.g. CLS/SLS 38 x 63mm)
   - Horizontal battens, centre-to-centre distance 400mm (e.g. ceiling slats 23 x 38mm)

As you build the frame, think about how you want to distribute the panels across the wall. If the wall is not a multiple of 600 mm, it is best to start and end with 2 equal panels (minimum width 250 mm).



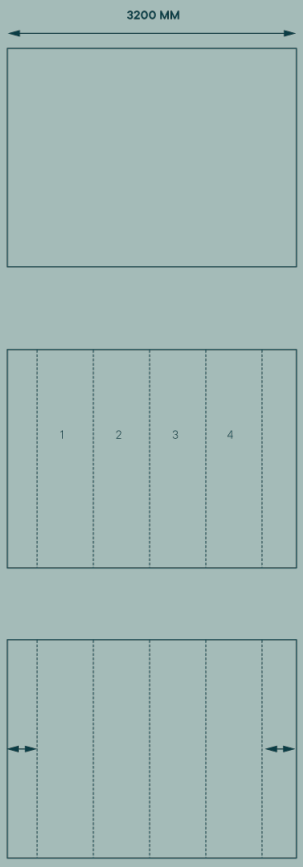


How do I calculate the width of the start and end panels?

- Divide the width of the wall by the width of the panel (600 mm).
- Subtract X number of panels from that until you are left with a number between 1 and 1.999.
- Multiply this number by 600 and finally divide by 2.

Example:

- 3200/600 = 5.33
- 5.33 - 4 = 1.33
- 1.33 x 600 = 800 > 800/2 = 400



LENGTH WALL / PANEL WIDTH = 3200 / 600 = 5.33

5 - 1

NUMBER OF FULL PANELS = 4

5.33 - 4 = 1.33

WIDTH START AND END PANEL = (600 x 1.33) / 2 = 400 MM

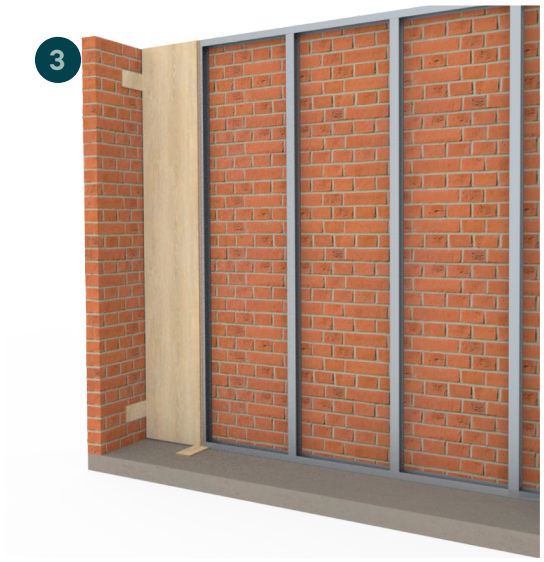
Take into account an expansion joint of 1 mm per running metre (maximum 8 metres) and the location of windows and doors. Avoid posts and battens near pipes and other utilities.

For loads up to 50 kg per screw (4.5 x 45 mm is recommended), the Clicwall panels do not require any additional wood reinforcement (e.g. OSB, chipboard, etc.). For loads up to 70 kg, you can use a Qualirack panel (12 mm). In each case, follow the item's installation instructions.

If a CLT structure is already in place, you can install the ClicWall panels directly onto it (using the same method as installing on battens). The CLT panel must not have any unevenness or be concave or convex. What if the surface is uneven anyway? Install aligned battens against the CLT. You then attach the ClicWall to these.

You can also attach ClicWall directly to plasterboard if the substrate has no unevenness or undulations. Stagger the ClicWall panels in relation to the plasterboard or install the plasterboard horizontally. Preferably work with plasterboard without bevelled edges to ensure a level surface. If there is any unevenness, it is best to install aligned battens against the plasterboard panels and then attach the ClicWall to these.

TIP: Are you installing ClicWall against an exterior wall (cold zone on the outside, warm zone on the inside)? Then in some cases you will need a vapour barrier, for example if you insulate the wall on the warm interior side. Install the vapour barrier between the wood battens and the ClicWall. A second layer of battens between the vapour barrier and the ClicWall is not necessary



Positioning the ClicWall Panels

1 Securing the ClicWall

You can attach ClicWall with wood screws (3.5 x 25 mm) or staples (width > 10 mm, depth > 20 mm). Use MS polymer sealant to attach the first and last panels or as extra reinforcement if you use staples. Make sure the substrate is free of dust before applying the MS polymer sealant.

We recommend self-drilling screws to attach ClicWall to metal studs. Make sure that the diameter of the screw head is less than 7 mm.

MS polymer sealant is the best solution for attaching ClicWall to plasterboard. Screws and staples are not suitable in this case. Allow the sealant to dry on the first panel before installing the following panels. You can also install ceiling slats against the plasterboard and attach the panels to these using screws or staples.

Screws or Velcro tape are recommended if you are using ClicWall in a modular set-up where the panels are assembled and disassembled multiple times. Staples or MS polymer sealant are not suitable in this kind of set-up.

2 Installing the ClicWall

IMPORTANT: in this manual, we always install ClicWall from left to right.

1. Position the first panel level and allow at least 10 mm clearance at the bottom. You can use a piece of ClicWall for this purpose, which you remove again after fastening the panel 1

   Allow a 1 mm expansion joint per running metre on the left and right sides 2 3

   Leave a 1 to 2 mm joint if you are finishing the ceiling joint with elastic sealant. You can also provide a little more space if you are using finishing strips.

   Cut the first panel to size in length and width. Leave the groove on the panel and cut along the tongue side as you adjust the width.

2. Attach the first panel with dabs of MS polymer sealant on the left side 4 Then insert a screw or staple into the groove every 400 mm on the right side. There is a dotted line in the groove to indicate where you can screw 5 or staple 6. Make sure the screws or staples are neatly recessed. Et voilà, the first panel is in place.

   TIP: Secure the left side of the first panel with a batten or wedge until the mounting sealant has dried. This will prevent the first panel from coming loose when you install the second.

3. Cut the second panel to length, position it in the groove at an angle of about 30° to the wall and press it in gently. Then attach the panel through the groove and into the substructure. Do not push too hard if the panels do not slide together smoothly to avoid damaging the tongue and groove. Make sure the panels are interlocked at the top and bottom to ensure a smooth appearance 7 8.

4. Repeat this operation up to and including the penultimate panel.

   You can still adjust the width of the last panel. When doing so, remember to allow for the expansion joint. You have to keep the tongue on the panel but you can remove the groove. Click the last panel into the one before it and attach it to the structure on the right side using the mounting sealant. Secure the glued side with a batten or wedge.

   TIP: Hide the longer wall behind the shorter one. This gives the longer wall more room to move and limits the visible joint in the corner.

Warranty & Life Expectancy

All VidaSpace products must be installed by a competent installer/contractor who has the necessary skills and experience and can take individual site circumstances into account. VidaSpace warranty will apply only to projects which have been installed, handled and maintained to industry best practice and New Zealand Building Code requirements. It is the responsibility of the specifier to determine the product is suitable and compliant for the application.

ALT has a 10 Year Warranty.

These warranties are provided as a guideline, and actual performance can vary. The key to maximising the lifespan of your ALT products lies in proper maintenance, which may include regular cleaning, avoiding excessive moisture, and promptly addressing any damage or spills. Additionally, the quality of the installation plays a significant role in the long-term durability of the products. If well-maintained and not subjected to unusually high levels of wear, it's reasonable to expect ALT Products to last significantly longer than the warranty period.

NZBC Relevant Clauses

B2 Durability — B2.3.1 (c)
C2 Prevention of fire occurring - C2.2
C3 Fire affecting areas beyond the fire source — C3.4 (a)
E3 Internal moisture — E3.3.4, E3.3.5, E3.3.6
F2 Hazardous building materials — F2.3.1
G3 Food preparation and prevention of contamination — G3.3.2 (a)

Contributions to NZBC Compliance

Category: Internal linings	Use to provide structural bracing	No
	Use in wet areas	Yes
	Use in food preparation areas	Yes
	Part of an inter-tenancy/abutting occupancy wall system	No
	Use in areas with surface fire obligations	Yes
	Part of a fire protected boundary or fire wall	No

Clause: B2 Durability

B2.3.1 - Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:
(c) 5 years if:

i. The building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and
ii. Failure of those building elements to comply with the building code would be easily detected during normal use of the building.

Contribution to B2.3.1(c)(i) and (ii)

ALT ClicWall panels have a 10-year product warranty. This ensures the product will be free from manufacture defects for 10 years from the purchase date. ALT ClicWall panels have a density of 700 ± 50 Kg/m^3 and scratch resistance of ≥ 1.5 N when tested in accordance with EN 14323 – 5.5.

Clause: C2 Prevention of fire occurring

C2.2 - The maximum surface temperature of combustible building materials close to fixed appliances using controlled combustion and other fixed equipment when operating at their design level must not exceed 90°C.

Contribution to C2.2

See Conditions of Use.

Clause: C3 Fire affecting areas beyond the fire source

C3.4 - Surface Linings
(a) materials used as internal surface linings in the following areas of buildings must meet the performance criteria specified below:

Area of Building	Performance determined under conditions described in ISO 9705: 1993	
	Buildings not protected with an automatic fire sprinkler system	*Buildings protected with an automatic fire sprinkler system*
Wall/ceiling materials in sleeping areas where care or detention is provided	Material Group Number 1-S	Material Group Number 1 or 2
Wall/ceiling materials in exit-ways	Material Group Number 1-S	Material Group Number 1 or 2
Wall/ceiling materials in all occupied spaces in importance level 4 buildings	Material Group Number 1-S	Material Group Number 1 or 2
Internal surfaces of ducts for HVAC systems	Material Group Number 1-S	Material Group Number 1 or 2
Ceiling materials in crowd and sleeping uses except household units and where care or detention is provided	Material Group Number 1-S or 2-S	Material Group Number 1 or 2
Wall materials in crowd and sleeping uses except household units and where care or detention is provided	Material Group Number 1-S or 2-S	Material Group Number 1, 2, or 3
Wall/ceiling materials in occupied spaces in all other locations in buildings, including household units	Material Group Number 1, 2, or 3	Material Group Number 1, 2, or 3
External surfaces of ducts for HVAC systems	Material Group Number 1, 2, or 3	Material Group Number 1, 2, or 3
Acoustic treatment and pipe insulation within air handling plenums in sleeping uses	Material Group Number 1, 2, or 3	Material Group Number 1, 2, or 3

Contribution to C3.4(a) and (b)

ALT ClicWall panels with standard MDF achieves a group 3 rating. When using FR MDF, they achieve a B-s1,d0 rating when tested to EN 13501-1. This has been correlated to achieve a Group 1-s rating, using a Fire Growth Rate (FIGRA ratio).

Clause: E3 Internal moisture

E3.3.4 - Wall surfaces adjacent to sanitary fixtures or sanitary appliances must be impervious and easily cleaned.

E3.3.5 - Surfaces of building elements likely to be splashed or become contaminated in the course of the intended use of the building, must be impervious and easily cleaned.

E3.3.6 - Surfaces of building elements likely to be splashed must be constructed in a way that prevents water splash from penetrating behind linings or into concealed spaces.

Contribution to E3.3.4 and E3.3.5 and E3.3.6

The surface of ALT ClicWall panels are antibacterial, impervious and easily cleaned.

Clause: F2 Hazardous building materials

F2.3.1 - The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

Contribution to F2.3.1

ALT ClicWall panels are safe when handled, have no added formaldehyde, and achieve a minimum E1 Formaldehyde Emission rating.

Clause: G3 Food preparation and prevention of contamination

G3.3.2 - Spaces for food preparation and utensil washing shall have: (a) interior linings and work surfaces shall be impervious and easily cleaned.

Contribution to G3.3.2 (a)

The surface of ALT ClicWall panels are antibacterial, impervious and easily cleaned.

Scope of Use

ALT ClicWall Panels:

- Are suitable for use such as interior wall linings, and cabinetry.
- Are suitable for use in wet areas such as kitchens, laundries and some bathroom applications.
- Are suitable for use where fire ratings need to achieve a group 1-s when combined with a FR MDF substrate.
- Are suitable for vertical, commercial and residential applications.

Conditions of Use

ALT ClicWall Panels:

- Are not suitable for exterior applications.
- Are not suitable for interior applications where ambient environmental moisture content is likely to be elevated for extended periods such as interior swimming pools, sauna, showers or industrial wet areas.
- Are not recommended for areas where consistent contact with moisture will occur.
- Are not recommended for horizontal applications.
- Must not be placed near a heat source that will cause the surface temperature to exceed 90°c - to meet Clause C2 prevention of fire occurring.
- Are not intended to provide structural bracing to the building.
- Must be cleaned and maintained in accordance with the VidaSpace ALT Care Guide.
- Are not designed to be used in conjunction with HPL's within a single installation, as this might result in a perceived visual variation.
- Require all edges to be finished with edge banding.

Supporting Documentation

- Fire test reports
- ALT Care guide
- C2C Certification
- EPD Certification
- Carb II Certification

Warnings & Bans

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

No

Contact Details

For further Product or Technical Support please contact VidaSpace using the methods below.

Manufacture location	Europe
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Importer email	hello@vidaspace.co.nz
Importer phone number	0800 119 388
Importer NZBN	9429041788349

Declaration

VidaSpace Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Please ensure that you are using the latest publication by contacting VidaSpace or downloading the latest document from the Downloads or product page on www.vidaspace.co.nz.

At the time of writing and publication of the sheet, all information is specified correctly.

The company reserves the right to change the specifications of this product at any time without prior notice to third parties.

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Signed by:

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