

ALT Thermally Fused Laminate Panels

BPIR Technical Statement

**Welcome to a new era
in decorative panels.**

hello@vidaspace.co.nz
www.vidaspace.co.nz
0800 119 388

Overview

Issue Date: 29.04.26
Version Number: 002
BPIR Class: Class 1
Product Collection: ALT by VidaSpace
CBI Number: 5511VS VidaSpace Timber Veneer Cabinetry - Masterspec
Origin: Europe

Product Description

ALT TFL (Thermally Fused Laminate) is a range of decorative panels combining a Moisture Resistant Medium Density Fibreboard substrate with a textured laminate surface. Designed for both functional and aesthetic durability, the ALT range features a selection of solid colours, plaster effects, and wood grain textures.

ALT is designed to be used in a wide range of interior applications including furniture, cabinetry, and wall panelling. Edge banding is used to protect the panels edge, which is available in both ABS and laser.

ALT is available in 3 different designs – MasterOak, SolidVelvet and DesignForm.

MasterOak panels are available in 3075 x 1245 x 18mm.

SolidVelvet and DesignForm panels are available in 2800m x 1220mm x 18mm.



Features

MasterOak – 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.

SolidVelvet – Soft touch, scratch resistant, UV stable, stain resistant, super matte, anti-fingerprint, large sheet size, antibacterial and food safe.

DesignForm – Real texture, scratch resistant, UV stable, stain resistant, large sheet size, antibacterial and food safe.

Product Details

| | MasterOak | SolidVelvet | DesignForm |
|----------------------------------|--|-----------------------------------|-------------------------------|
| Construction | Melamine Faced MDF | Lacquered Melamine Faced MDF | Melamine Faced MDF |
| Front Face | Melamine | Lacquered Melamine | Melamine |
| Core | MR (Moisture Resistant) MDF | MR (Moisture Resistant) MDF | MR (Moisture Resistant) MDF |
| Back Face | Melamine | Melamine | Melamine |
| Pattern | Mixmatch Oak | Supermatt Anti-Fingerprint | Lime Plaster |
| Dimensions | 3075 x 1245 x 18mm | 2800 x 1220 x 18mm | 2800 x 1220 x 18mm |
| Surface Area | 3.828m ² | 3.416m ² | 3.416m ² |
| Texture | Synchronised embossed texture with 64 depth points | Soft Touch & Smooth | Embossed |
| Origin | Europe | Europe | Europe |
| Responsible Certification | C2C, FSC® on request, EPD, CARB 2 | C2C, FSC® on request, EPD, CARB 2 | C2C, FSC® on request, EPD, E1 |
| Warranty | 10 Years | 10 Years | 10 Years |

Product Ingredients

MR MDF
Melamine resin
Decorative paper

Technical Details

| | MasterOak | SolidVelvet | DesignForm |
|--|---|--|--|
| Density | EN323 = 700 ± 50 Kg/m ³ | EN323 = 700 ± 50 Kg/m ³ | EN323 = 700 ± 50 Kg/m ³ |
| Gloss Level | EN 2813 = 1.6% | Super Matte | Matte |
| Thermal Conductivity | EN 13986 = 0.1 W/(m·K) | EN 13986 = 0.1 W/(m·K) | EN 13986 = 0.1 W/(m·K) |
| Formaldehyde Emission | AS/NZS1859.2= E0 | AS/NZS1859.2= E0 | AS/NZS1859.2= E1 |
| PCP (Pentachlorophenol) | EN 13986-5.18 = <5 | EN 13986-5.18 = <5 | EN 13986-5.18 = <5 |
| Reaction to Fire - Walls & Ceilings | FR MDF - EN3501-1=B-s1,d0 (Group 1-s) MR MDF = Group 3 | MR MDF = Group 3 | MR MDF = Group 3 |
| Antibacterial Activity | ISO 22196:2011-0 = Reduction of >99.9% | ISO 22196:2011-0 = Reduction of >99.9% | ISO 22196:2011-0 = Reduction of >99.9% |
| Food Safety | EN 13130-1/ EN 1186 = conform | EN 13130-1/ EN 1186 = conform | EN 13130-1/ EN 1186 = conform |
| Recovered Wood Content | 100% | 100% | 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 | t _{max} -t _{min} ≤ 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 / m ² |
| Surface Defects (lines) | EN 14322 - T1 | EN 14323 - 5.4 | ≤ 20 mm / m ² |
| 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

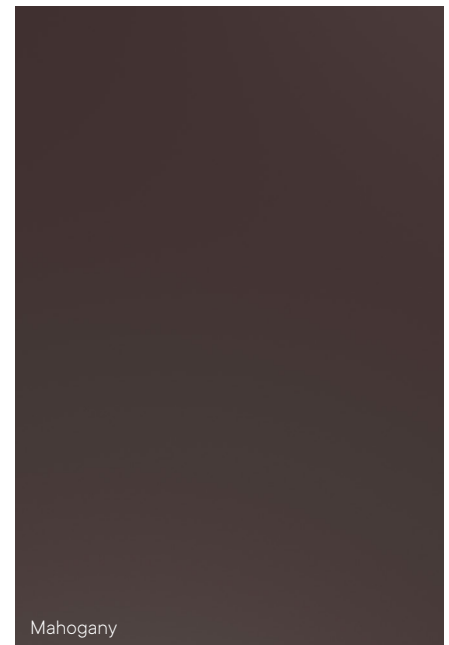
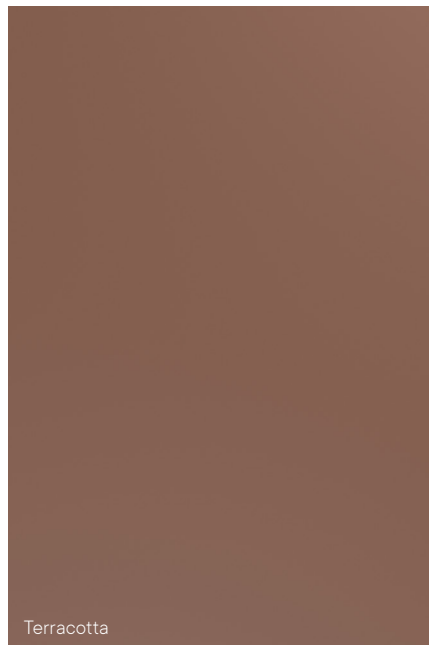
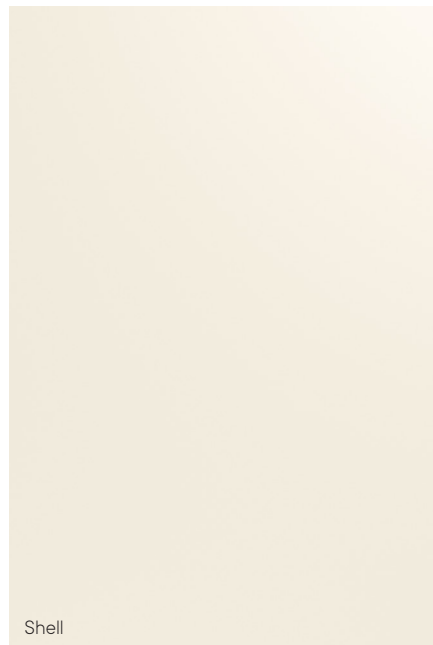
| Colour | Substrate | SKU | Availability | Dimensions | Surface Area |
|-----------------------|-----------|-----------|--------------|------------------------|----------------------|
| Light Natural | MR MDF | VS3001 | Stock | 3075mm x 1245mm x 18mm | 3.828 m ² |
| | FR MDF | VS3001-FR | Indent | | |
| Natural | MR MDF | VS3002 | Stock | | |
| | FR MDF | VS3002-FR | Indent | | |
| Natural Copper | MR MDF | VS3003 | Stock | | |
| | FR MDF | VS3003-FR | Indent | | |
| Double Fumed | MR MDF | VS3004 | Stock | | |
| | FR MDF | VS3004-FR | Indent | | |
| Green | MR MDF | VS3005 | Stock | | |
| | FR MDF | VS3005-FR | Indent | | |



Product Matrix

SolidVelvet

| Colour | Substrate | SKU | Availability | Dimensions | Surface Area |
|------------|-----------|--------|--------------|------------------------|----------------------|
| Shell | MR MDF | VS3006 | Stock | 2800mm x 1220mm x 18mm | 3.416 m ² |
| Terracotta | MR MDF | VS3011 | | | |
| Mahogany | MR MDF | VS3007 | | | |
| Quartz | MR MDF | VS3008 | | | |
| Forest | MR MDF | VS3010 | | | |
| Onyx | MR MDF | VS3009 | | | |



Product Matrix

DesignForm

| Colour | Substrate | SKU | Availability | Dimensions | Surface Area |
|----------------------|-----------|-----------|--------------|------------------------|----------------------|
| Chalk lime | MR MDF | VS3012 | Stock | 2800mm x 1220mm x 18mm | 3.416 m ² |
| | FR MDF | VS3012-FR | Indent | | |
| Blush lime | MR MDF | VS3013 | Stock | | |
| | FR MDF | VS3013-FR | Indent | | |
| Stone lime | MR MDF | VS3014 | Stock | | |
| | FR MDF | VS3014-FR | Indent | | |
| Charcoal lime | MR MDF | VS3015 | Stock | | |
| | FR MDF | VS3015-FR | Indent | | |



Chalk Lime



Blush Lime



Stone Lime



Charcoal Lime

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 corner or edge damage

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.



The mark of responsible forestry

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

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:

- The building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and
- 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 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 panels have a density of $700 \pm 50 \text{ Kg/m}^3$ and scratch resistance of $\geq 1.5 \text{ N}$ 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 panels with standard MDF achieve a group 3 rating. ALT MasterOak is available (indent only) on an FR substrate, which achieves 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). ALT MasterOak ClicWall is stocked on an FR substrate, which achieves 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 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 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 panels are antibacterial, impervious and easily cleaned.

Scope of Use

ALT TFL 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 TFL 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 |
| Legal and trading name of Importer | VidaSpace Ltd |
| Importer address for service | 28 Enterprise Drive, Levin 5571, New Zealand |
| Importer website | vidaspace.co.nz |
| 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.

© This BPIR technical data sheet was written by VidaSpace Limited. 28 Enterprise Drive, Levin, 5571, New Zealand and updated in October 2025.

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.

The photographs used in this sheet are intended only as illustrations. No rights can be derived from them.

Signed by:

Matt Stewart,
Technical Product Manager
VidaSpace Ltd


Signature

Jimmy Simmons,
Managing Director
VidaSpace Ltd


Signature

VidaSpace Auckland Showroom
105 St Georges Bay Road, Parnell,
Auckland, New Zealand

VidaSpace Wellington Showroom
Upstairs in the Wellington Design Library
282 Thorndon Quay, Pipitea, Wellington

VidaSpace Christchurch Showroom
143 Victoria Street,
Christchurch, New Zealand

VidaSpace HQ
28 Enterprise Drive,
Levin, New Zealand