WALLS & CEILINGS

Alor

A modern expression of natural beauty. Designed to bring warmth and visual continuity to modern interiors that celebrate simplicity and refined material expression.



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Forté

RESPONSIBILITY AND DISCLAIMER

Important Information - Read before specifying.

This Specification Sheet is provided as a general reference to assist architects, engineers and other building professionals. It has been developed based on the testing conducted by Forté on the Forte Timber Interior Panelling System and the knowledge and consideration of the current construction practises being followed in the industry. It is not an exhaustive specification.

The specifier (or other party responsible for the project) must:

— Verify that the Forte Timber Interior Panelling System is suitable for the intended use and site conditions.

— Ensure the final design complies with the New Zealand Building Code (NZBC) and all other applicable laws and standards.

— Complete any additional detailing required for aspects outside the scope of this guide. Advice on this is available from Forté.

Failure to comply with the above, or to use the most up-to-date technical literature, may compromise the Forte Timber Interior Panelling System performance, breach statutory obligations and void the Forté product warranty.

Responsibility for the design lies with the specifier or responsible party for the project to ensure the final design meets the requirements of the intended application and the New Zealand Building Code (NZBC).

Limitation of Liability

Except for the express terms of any written Forté warranty that cannot be excluded by law, Forté disclaims all warranties, conditions and liabilities (whether direct, indirect, consequential or otherwise) arising from the use of, or reliance on, this document. To the maximum extent permitted by law, Forté is not liable for loss, damage or injury whatsoever resulting from such use or reliance. Independent professional advice should be obtained for any design matters not expressly covered here.

OVERVIEW

Designated Building Product: Class 1

BPIR DECLARATION

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

Product Use Limitations

Forté Interior Timber Panelling is a non-structural engineered panelling system for use internally as a decorative, non-structural wall or ceiling lining.

Compliance Statement

Alor wall and ceiling panelling complies with the New Zealand Building Code when installed in accordance with its intended use as an internal lining system. Compliance is achieved through adherence to the specified installation requirements, limitations of use, and environmental conditions, ensuring performance in relation to structural stability (B1), durability (B2), fire performance (C1–C3), and internal moisture control (E3). The system must be installed on suitable substrates using approved fixing methods and is intended for use in internal, non-structural applications only, within the defined scope of performance and environmental exposure.

Warning or Ban (Building Act 2004 section 26)

Not applicable

Relevant Guides and Manuals

Design Guide

Installation Guide

Care & Maintenance Guide

All Resources

Product Origin

Europe

Manufacturer & Importer

Innovate Group Limited
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Pukekohe, Auckland 2120
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OVERVIEW

Relevant NZBC Clauses

B1 STRUCTURE — B1.3.1, B1.3.2, B1.3.3 (J), B1.3.4	Alor panelling is a non-structural internal lining system and is not subject to specific structural design requirements under NZBC B1/AS1. Compliance with NZBC B1 is achieved by ensuring the system remains stable under its self-weight and expected service loads, is securely fixed to a suitable substrate, and accommodates building movement without risk of detachment, distortion, or hazardous failure. Assessment may be made in accordance with the principles of B1/VM1.
B2 DURABILITY B2.1.1.1C	Alor panels are intended for internal lining applications that comply with NZBC B2/AS1 durability requirements for internal elements (5-year service life), when installed and maintained under normal interior conditions. Durability is dependent on correct installation, suitable substrates, and appropriate environmental conditions. Alor panels are supported by a 7-year manufacturer warranty covering material and manufacturing performance under specified conditions. The UV lacquer finish provides surface protection but does not remove the need for appropriate detailing or environmental control.
C1 LIMITING HEAT TRANSFER C1.3.2 / C/VM1	Alor panels are not intended for use in locations where surface temperatures may exceed 70°C. Where installed in proximity to heat-producing appliances, appropriate clearances, ventilation, and detailing must be provided to ensure surface temperatures remain within acceptable limits in accordance with C1.3.2.
C2 PREVENTION OF FIRE OCCURRING C2.2	Alor panels are classified as Group 3 in accordance with Table A1 of Appendix A, C/VM2, when tested under standard conditions. The product must be used within the defined scope of application and installation limitations. Where a higher group classification is required, a suitable intumescent coating system may be applied, subject to system testing and confirmation.
C3 FIRE AFFECTING AREAS BEYOND FIRE SOURCE C3.4(A)	Alor panels may be used where the required surface finish performance complies with NZBC C3.4(a), as determined in accordance with C/AS2 for the relevant building use and location. It is the responsibility of the designer/specifier to ensure the installed system meets the required fire performance criteria for the specific application.
E3 INTERNAL MOISTURE E3.3.4, E3.3.5, E3.3.6	Panels are suitable for dry interior applications and must not be used where they may contribute to moisture damage under E3.Alor panels are suitable for dry internal applications in accordance with NZBC E3/AS1. They must not be installed in areas subject to persistent or high moisture conditions where they may be exposed to water ingress, prolonged humidity, or conditions that could result in moisture-related damage. The product is not recommended for use in wet areas such as bathrooms or laundries, or in environments where relative humidity is expected to exceed 70% (e.g. sauna or pool rooms). While the UV lacquer finish provides a durable, easily cleaned surface, it does not provide waterproofing or suitability for high-moisture environments.
F2 HAZARDOUS BUILDING MATERIALS F2.3.1	Alor Panelling, achieved a Super E0 Formaldehyde emission rating and are safe to handle. As this is a timber product, dust masks should be worn when cutting.

SPECIFICATIONS

Construction

CONSTRUCTION	3-Layer Construction
VENEER THICKNESS	0.6mm European Oak
CORE	HDF
JOINT PROFILE	Flexiclick

Characteristics

SURFACE TEXTURE	Lightly Brushed
SURFACE FINISH TYPE	Prefinished UV Cured Lacquer
SURFACE SHEEN LEVEL	Extra Matte

Accreditations

SUSTAINABILITY	Sustainably Sourced (FSC available on request)
BPIR COMPLIANT	Yes

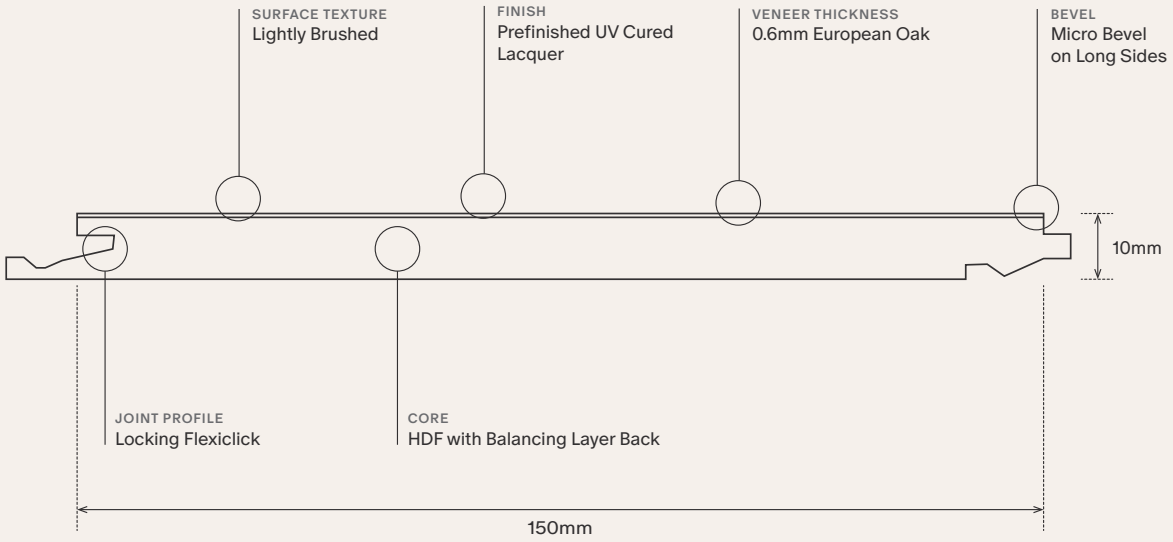
Technical Specifications

WEAR LAYER DENSITY	730 kg/m3 +/- 7% (MDF Core)
REACTION TO FIRE CEILINGS AND WALLS ISO 9705	Group 3 (Group 1S can be achieved with FR Core)
THERMAL CONDUCTIVITY / RESISTANCE	0.18m^{2}K/W (18mm MR MDF)
FORMALDEYHDE EMISSION AS/NZS 2098.11	Super E0

Pack Information

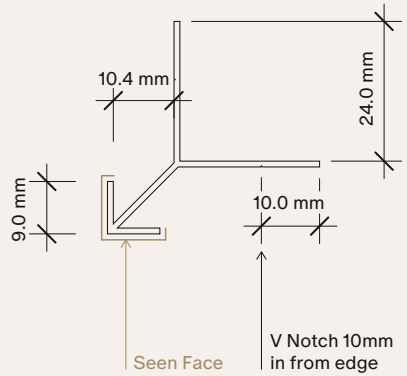
PIECES PER PACK	6 Full Length Planks
M2 PER UNIT	2.43m^2
UNIT WEIGHT	19.99kg

PROFILE

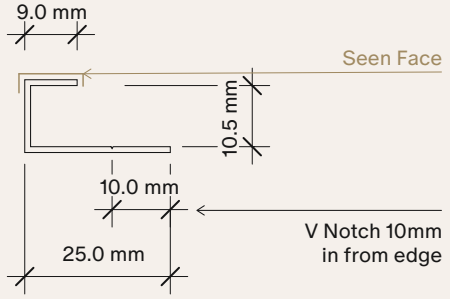

SURFACE TEXTURE
Lightly Brushed
FINISH
Prefinished UV Cured Lacquer
VENEER THICKNESS
0.6mm European Oak
BEVEL
Micro Bevel on Long Sides
10mm
JOINT PROFILE
Locking Flexiclick
CORE
HDF with Balancing Layer Back
150mm

ACCESSORIES - ALUMINIUM

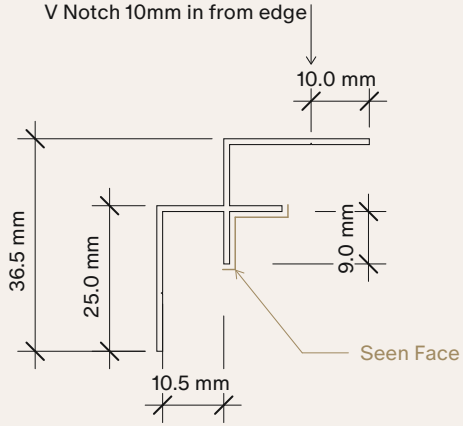
EXTERNAL CORNER TRIM



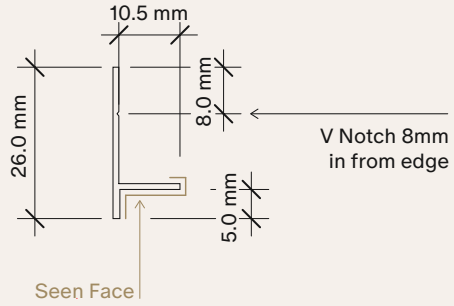
TRANSITION TRIM



INTERNAL CORNER TRIM



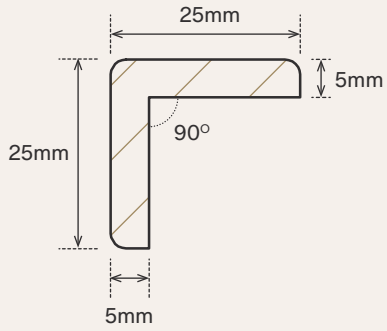
NEGATIVE DETAIL (5MM)



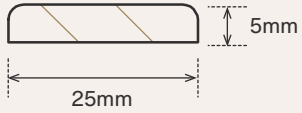
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ACCESSORIES - TIMBER

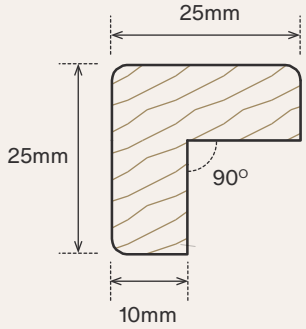
TRADITIONAL CORNER TRIM



COVER STRIP



FLUSH CORNER TRIM



COLOURS



COVE



FAWN



SOLIS



TUSK



ASTA



EMBER



OCHRE



NOX



INCA

PRODUCT SPECIFICATIONS

COLOUR	FORMAT	GRADE	VENEER CUT	CODE	DIMENSIONS (MM)	SPECIES	CONSTRUCTION
Asta	Plank	Prime	Quarter/Crown Cut	AL-APP-V3	10/0.6 x 150 x 2700	European Oak	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-A-TCP-V3	5 x 25 x 25 x 2700	Solid European Oak	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-A-FCP-V3	10 x 25 x 25 x 2700	Solid European Oak	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-A-CS-V3	5 x 25 x 2700	Solid European Oak	–
Cove	Plank	Prime	Quarter/Crown Cut	AL-CPP-V3	10/0.6 x 150 x 2700	European Oak	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-C-TCP-V3	5 x 25 x 25 x 2700	Solid European Oak	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-C-FCP-V3	10 x 25 x 25 x 2700	Solid European Oak	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-C-CS-V3	5 x 25 x 2700	Solid European Oak	–
Ember	Plank	Prime	Quarter/Crown Cut	AL-EPP-V3	10/0.6 x 150 x 2700	American Walnut	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-E-TCP-V3	5 x 25 x 25 x 2700	Solid American Walnut	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-E-FCP-V3	10 x 25 x 25 x 2700	Solid American Walnut	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-E-CS-V3	5 x 25 x 2700	Solid American Walnut	–
Fawn	Plank	Prime	Quarter/Crown Cut	AL-FPP-V3	10/0.6 x 150 x 2700	American Walnut	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-F-TCP-V3	5 x 25 x 25 x 2700	Solid American Walnut	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-F-FCP-V3	10 x 25 x 25 x 2700	Solid American Walnut	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-F-CS-V3	5 x 25 x 2700	Solid American Walnut	–

COLOUR	FORMAT	GRADE	VENEER CUT	CODE	DIMENSIONS (MM)	SPECIES	CONSTRUCTION
Inca	Plank	Prime	Quarter/Crown Cut	AL-IPP-V3	10/0.6 x 150 x 2700	European Oak	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-I-TCP-V3	5 x 25 x 25 x 2700	Solid European Oak	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-I-FCP-V3	10 x 25 x 25 x 2700	Solid European Oak	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-I-CS-V3	5 x 25 x 2700	Solid European Oak	–
Nox	Plank	Prime	Quarter/Crown Cut	AL-NXPP-V3	10/0.6 x 150 x 2700	European Oak	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-N-TCP-V3	5 x 25 x 25 x 2700	Solid European Oak	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-N-FCP-V3	10 x 25 x 25 x 2700	Solid European Oak	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-N-CS-V3	5 x 25 x 2700	Solid European Oak	–
Ochre	Plank	Prime	Quarter/Crown Cut	AL-OPP-V3	10/0.6 x 150 x 2700	European Oak	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-O-TCP-V3	5 x 25 x 25 x 2700	Solid European Oak	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-O-FCP-V3	10 x 25 x 25 x 2700	Solid European Oak	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-O-CS-V3	5 x 25 x 2700	Solid European Oak	–
Solis	Plank	Prime	Quarter/Crown Cut	AL-SPP-V3	10/0.6 x 150 x 2700	European Oak	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-S-TCP-V3	5 x 25 x 25 x 2700	Solid European Oak	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-S-FCP-V3	10 x 25 x 25 x 2700	Solid European Oak	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-S-CS-V3	5 x 25 x 2700	Solid European Oak	–

COLOUR	FORMAT	GRADE	VENEER CUT	CODE	DIMENSIONS (MM)	SPECIES	CONSTRUCTION
Tusk	Plank	Prime	Quarter/Crown Cut	AL-TPP-V3	10/0.6 x 150 x 2700	European Oak	HDF
	Traditional Corner Trim	Prime	Quarter/Crown Cut	AL-T-TCP-V3	5 x 25 x 25 x 2700	Solid European Oak	–
	Flush Corner Trim	Prime	Quarter/Crown Cut	AL-T-FCP-V3	10 x 25 x 25 x 2700	Solid European Oak	–
	Cover Strip	Prime	Quarter/Crown Cut	AL-T-CS-V3	5 x 25 x 2700	Solid European Oak	–

ALUMIUMIUM TRIM SPECIFICATIONS

TRIM	COLOUR	CODE	DIMENSIONS (MM)	CONSTRUCTION
External Corner Trim	Champagne	ALT-C-EC	10 H x 2750 L	Aluminium
	Light Bronze	ALT-LB-EC	10 H x 2750 L	Aluminium
	Dark Bronze	ALT-DB-EC	10 H x 2750 L	Aluminium
	Black	ALT-B-EC	10 H x 2750 L	Aluminium
Internal Corner Trim	Champagne	ALT-C-IC	10 H x 2750 L	Aluminium
	Light Bronze	ALT-LB-IC	10 H x 2750 L	Aluminium
	Dark Bronze	ALT-DB-IC	10 H x 2750 L	Aluminium
	Black	ALT-B-IC	10 H x 2750 L	Aluminium
Transition Trim	Champagne	ALT-C-T	10 H x 2750 L	Aluminium
	Light Bronze	ALT-LB-T	10 H x 2750 L	Aluminium
	Dark Bronze	ALT-DB-T	10 H x 2750 L	Aluminium
	Black	ALT-B-T	10 H x 2750 L	Aluminium
Negative Trim Detail	Champagne	ALT-C-ND	10 H x 2750 L	Aluminium
	Light Bronze	ALT-LB-ND	10 H x 2750 L	Aluminium
	Dark Bronze	ALT-DB-ND	10 H x 2750 L	Aluminium
	Black	ALT-B-ND	10 H x 2750 L	Aluminium

GRADE

Prime

Prime grade timber delivers a refined, natural look with subtle character. While predominantly uniform, it may feature small knots and gentle variations in colour, adding a touch of texture and authenticity. This grade strikes a balance between clean lines and the organic charm of natural wood, making it perfect for spaces that demand both elegance and warmth.







COLOUR VARIATION



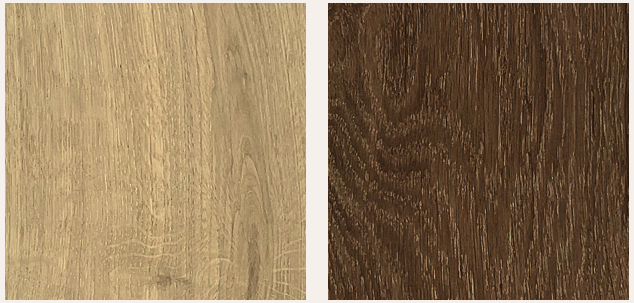
Subtle Colour Variation (Darker Colours, Prime and Light Feature Planks)

Darker colours, as well as prime and light feature planks, tend to have less colour variation. This is because the darker stains tend to mask any natural variations, creating a more uniform look across the planks. Prime and light feature planks are generally cleaner, with fewer natural imperfections or markings, making them more consistent in colour once the stain is applied. As a result, the overall appearance presents minimal differences between planks.



Moderate Colour Variation (Standard Natural Timber)

Natural timber products typically exhibit moderate colour variation, which is part of their charm and character. While there may be some variation between planks, it should not be excessive. Some timber products, depending on the colour, will naturally show more variation—particularly lighter or darker tones—but this is normal and enhances the timber's natural appeal.



Pronounced Colour Variation (Smoked and Reactive Stains)

Timber that is smoked or has been finished with a reactive stain display more pronounced colour variation. The stain interacts differently with the timber, often creating a more dramatic contrast between planks. Factors such as the hardness or softness of the timber can also cause it to absorb more or less stain, leading to darker or lighter planks. Additionally, the amount of time the stain is left on the wood can cause more significant colour variation between batches.

CARE & MAINTENANCE

RESIDENTIAL

EVERYDAY CLEANING	Timber panelling should be cleaned as often as it appears dirty. It is recommended to dust the product prior to cleaning (especially if the surface of the product is textured) using a microfibre dusting cloth. Wipe Spills & Splashes immediately.
AS REQUIRED	Generally a dry microfibre cloth can be used to dust and wipe down the area. Where more attention is required, a mild pH neutral multi-purpose cleaner, such as Ecostore Multi-purpose cleaner, is suitable for most wood cabinetry with a polyurethane lacquer. When cleaning, ensure your cloth or cleaning pad is damp to the touch (not dripping wet), as excess water can lead to coating issues as well as swelling of the product. If using a spray cleaner, spray it onto the cloth, not the timber veneer. Always use a cleaning product that is non-abrasive and approved for the type of finish on your panelling and test the product in an inconspicuous area first. Forté do not take responsibility for the maintenance regime for Alor unfinished as there are different cleaning and maintenance requirements for certain lacquers and finishes. Please refer to the coating supplier for information on the best products to use. Please note: for commercial projects we can supply personalised cleaning programmes as part of the Forte Aftercare Service. Enquire with our team for more information

COMMERCIAL

EVERYDAY CLEANING	For commercial projects we can supply personalised cleaning programmes as part of the Forté Aftercare Service. Enquire with our team for more information.

CARE & MAINTENANCE

CARE & MAINTENANCE GUIDE

Providing essential information on cleaning techniques, repair advice and protective measures, our Care & Maintenance Guide helps you maintain your Alor Cabinetry & Panelling's appearance and ensure long-term durability in all environments.



STRUCTURAL WARRANTY

RESIDENTIAL	**Alor 7 Year Residential Structural Warranty** The Alor Collection comes with a full 7 year Residential Structural Warranty. For full warranty T&Cs, please visit **www.forte.co.nz**
COMMERCIAL	**Alor 7 Year Commercial Structural Warranty** The Alor Collection comes with a full 7 year Commercial Structural Warranty. For full warranty T&Cs, please visit **www.forte.co.nz**

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