ENVELLO CLADDING

Shadow Line+

The beauty of timber without the compromise. Authentic texture, enduring colour and weather-resistant strength to withstand even the most demanding climates.

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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 Millboard on the Millboard Vertical Cladding 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 Millboard Vertical Cladding System is suitable for the intended use and site conditions.

— Ensure the final design complies with the New Zealand Building Code (NZBC), CodeMark certificate 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 Millboard Vertical Cladding 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

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

The Millboard Envello Cladding system as per the Product Assurance Supplier Statement, is a hand-moulded, timber grain look, composite weatherboard cladding system, designed for use as an external cladding system.

For more information on limitations of use, please refer to 'Scope and Limitations of Use' in the **Millboard Product Assurance Supplier Statement (PASS)**.

Relevant Guides and Manuals

Design Guide

Shadow Line+ Installation Guide

Care and Maintenance Guide

All Resources

Relevant NZBC Clauses

CLAUSE B1 STRUCTURE	Alternative Solution – Clauses B1.3.1, B1.3.2, B1.3.3 (a,f,h,j,q), B1.3.4
CLAUSE B2 DURABILITY	Alternative Solution – Clauses B2.3.1, B2.3.2 (b)
CLAUSE C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE	Acceptable Solution – Clauses C3.4 (a), C3.7 (a)
CLAUSE E2 EXTERNAL MOISTURE	Alternative Solution – Clauses E2.3.2, E2.3.3, E2.3.5, E2.3.7
CLAUSE F2 HAZARDOUS BUILDING MATERIALS	Alternative Solution – Clauses F3.2.1

Compliance Statement

Refer to **PASS Certificate #19234**

Warning or Ban (Building Act 2004 section 26)

Not applicable

Manufacturer & Importer

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SPECIFICATIONS

Construction

CONSTRUCTION	Resin Mineral Board
CORE	Polymer Resin Core

Characteristics

SURFACE TEXTURE	Authentic Oak Texture Moulded From Genuine Oak
SURFACE FINISH TYPE	Lastane® Surface
SURFACE SHEEN LEVEL	Matte

Accreditations

SUSTAINABILITY	Environmentally Friendly
BPIR COMPLIANT	Yes
CODEMARK CERTIFIED	CodeMark Certification CMNZ70204

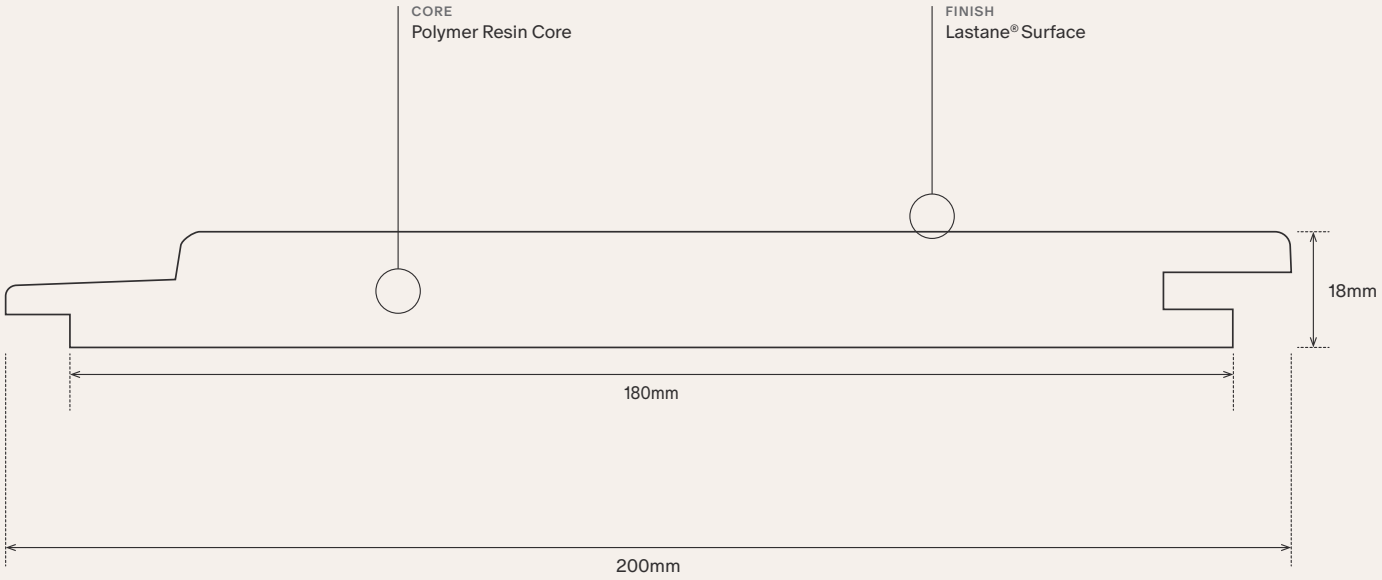
Technical Specifications

REACTION TO FIRE (WALLS & CEILINGS) ISO 9705	D-s3, d0 - NZ Fire Rating Group 3

Pack Information

PIECES PER PACK	1 Plank
M2 PER UNIT	0.652m^2 coverage
UNIT WEIGHT	11.6kg

SHADOW LINE+ PROFILE



Forté

COLOURS



LIMED OAK



ASHWOOD



GOLDEN OAK



COPPERED OAK



ANTIQUE OAK



SMOKED OAK



EBONY GREY



BURNT CEDAR

PRODUCT SPECIFICATIONS

COLOUR	FORMAT	GRADE	CODE	DIMENSIONS (MM)	CORE	COLOUR VARIATION
Antique Oak	Plank	Prime	ESL-A	18 x 180 x 3600	Polymer Resin Core	Moderate
Ashwood	Plank	Prime	ESL-AW	18 x 180 x 3600	Polymer Resin Core	Subtle
Burnt Cedar	Plank	Prime	ESL-BC	18 x 180 x 3600	Polymer Resin Core	Subtle
Coppered Oak	Plank	Prime	ESL-C	18 x 180 x 3600	Polymer Resin Core	Subtle
Ebony Grey	Plank	Prime	ESL-EG	18 x 180 x 3600	Polymer Resin Core	Subtle
Golden Oak	Plank	Prime	ESL-G	18 x 180 x 3600	Polymer Resin Core	Subtle
Limed Oak	Plank	Prime	ESL-L	18 x 180 x 3600	Polymer Resin Core	Subtle
Smoked Oak	Plank	Prime	ESL-S	18 x 180 x 3600	Polymer Resin Core	Subtle

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.

CARE & MAINTENANCE

REGULAR CLE ANING (EVERY 6 MONTHS)	We recommend cleaning your cladding at least twice per year or as required. As an exterior product, Envello Cladding will benefit from this periodic clean to remove any accumulated dirt residue. Remove dust and dirt using a hard bristle brush or broom. Use Double Bubble Cleaner to assist in easily dissolving dirt and grime and the build-up of airborne contaminants that accumulate on the surface of the boards. When cleaning the boards, start from the top off the wall and work your way downwards. Always follow the grain of the cladding boards when you're scrubbing/cleaning.
DEEP CLEAN (ONCE PER YEAR)	For a deeper clean. pressure washers can be used carefully on Envello Cladding. We recommend: — A PSI no greater than 2,000 should be used, with a 40 to 60 degree spread fan tip — The head should always be kept a minimum of 300mm away from the surface — Direct, prolonged and intense contact could damage the surface of the boards. Test in an inconspicuous area first as direct and prolonged contact could damage the surface of the boards. — Take extra care when using a pressure washer around windows, doors, joins/cut ends, and any penetrations in the cladding. Stubborn marks may be removed with a range of different cleaners, depending on the mark, contact Forté for advice on which cleaning product is recommended
REFINISHING	Refinishing your Envello Cladding may be necessary over a period of time. Please contact Forté for more information if this is required.

CARE & MAINTENANCE

CARE & MAINTENANCE GUIDE

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



STRUCTURAL WARRANTY

RESIDENTIAL

Envello 25 Year Residential Structural Warranty

The Envello Collection comes with a full 25 year Residential Structural Warranty. For full warranty T&Cs, please visit **www.forte.co.nz**

COMMERCIAL

Envello 25 Year Commercial Structural Warranty

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