

CONTENTS

1.	GENERAL AND PRODUCT INFORMATION	2
	Purpose	2
	Important documents	2
	Skills required	2
	For more help	2
	For our warranty	2
	Description of product	2
	Scope and limitations	2
	Certifications and approvals	2
2.	DESIGN INFORMATION	3
	Preliminary	3
	Design	3
	Completion	4

1. GENERAL AND PRODUCT INFORMATION

PURPOSE	This guide will help correctly install the Thermory cladding systems (the Thermory Ash cladding system or the Thermory Nordic Pine cladding system).
IMPORTANT DOCUMENTS	<p>This guide must be read in conjunction with:</p> <ul style="list-style-type: none"> ➤ Product pass™ documents¹ <ul style="list-style-type: none"> • Thermory Ash cladding system pass™ or • Thermory Nordic Pine cladding system pass™ ➤ Technical Documents² <ul style="list-style-type: none"> • Thermory cladding specification guide • Thermory cladding installation guide • Thermory cladding care and maintenance guide • Thermory Ash cladding system warranty • Thermory Nordic Pine cladding system warranty.
SKILLS REQUIRED	This guide is suitable for use by a licensed building practitioner licensed to the relevant class.
FOR MORE HELP	<p>Technical assistance is available at www.timberline.co.nz.</p> <p>While all reasonable efforts have been made to ensure the accuracy of information provided, this is a guide only. It may be subject to change.</p>
FOR OUR WARRANTY	Refer to www.timberline.co.nz .
DESCRIPTION OF PRODUCT	<p>The Thermory cladding systems are thermally modified timber weatherboard cladding systems. They are available as Thermory Ash manufactured from PEFC or FSC (on request) certified North American and European White Ash or Thermory Nordic Pine manufactured from PEFC or FSC (on request) certified Northern European Scots Pine.</p> <p>The timber is heat-treated at 215 °C and greater with no chemicals added. The thermal modification process changes the physical properties of the timber, so the timber becomes more stable and resistant to rot.</p> <p>The Thermory cladding systems are available in profiles as specified in NZS 3617:1979 (horizontal bevel back, horizontal rebated bevel back, horizontal rusticated, vertical shiplap, and vertical board and batten), in different lengths.</p>
SCOPE AND LIMITATIONS	Refer to Thermory Ash cladding system pass™ and Thermory Nordic Pine cladding system pass™.
CERTIFICATIONS AND APPROVALS	<p>The manufacturer holds the following certifications and approvals</p> <ul style="list-style-type: none"> ➤ FSC License Code FSC-CO74560 Thermory AS, Certificate Code NC-COC-009078, issued 01/04/2020.

¹ See www.thebuildingbusiness.co.nz/timberline-pass-landing for controlled versions.

² See www.timberline.co.nz/resources for controlled versions.

2. DESIGN INFORMATION

PRELIMINARY



Select product

Select Thermory cladding type and profile.



Confirm related building work

Thermory cladding is suitable for use with a timber or lightweight steel framed building.



Confirm the primary structure:

- › complies with the NZ Building Code and is designed in accordance with NZS 3604:2011 (section 2) or NASH Design Standard: 2019 Parts 1 and 2
- › is suitable for the intended building work, if the building is an existing building.

Confirm the building underlay complies with Table 23 of Acceptable Solution E2/AS1³.



Confirm scope

Confirm the proposed use is within the scope and limitations of the relevant pass™.

DESIGN



Check requirements

Assess the weathertightness risk factors applying to the building using Table 1 of Acceptable Solution E2/AS1, and use the risk matrix in Table 2 of E2/AS1 to calculate the risk score for the building elevations.

Use Table 3 of Acceptable Solution E2/AS1 to determine the need for a drained and ventilated cavity with the selected Thermory cladding.



Design and detail use of product

Use section 9.4 of Acceptable Solution E2/AS1 to specify installation details for the external envelope for the selected cladding profile. This includes E2/AS1 requirements for cavity battens, fixings, and closers (if required). Also it includes laps, penetrations, joints, external and internal corners, and windows and doors.

Where the cladding is to be installed over a drained and ventilated cavity refer to Timberline details.

Cavity battens, if required, are to be structurally fixed in accordance with BRANZ Bulletin BU582 Structurally fixed cavity battens.

A rigid air barrier (RAB) that complies with Table 23 of the Acceptable Solution E2/AS1 must be installed where the Thermory cladding is to be used in wind zones of very high or above.

³ Where Acceptable Solution E2/AS1 is referenced in this document, E2/AS4 also applies in respect of lightweight steel framing.

**Confirm requirements are met**


Confirm all relevant design requirements are met.

COMPLETION**Complete documentation**

Complete documentation including plans and consent/product specification. Ensure the building consent plans and specifications clearly define:

- › installation details, including whether the Thermory cladding system is to be direct fixed or installed over a drained and ventilated cavity
- › flashing, window and door details
- › fixings - type and installation.





This document is uncontrolled
in printed form.

See www.timberline.co.nz
for current version.