

KLC "Generation 2" Vertical Shiplap Cladding System

Product Technical Statement: 109436



Vertical NZ Timber cladding solutions for residential and light commercial buildings.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



KLC confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark
[AQ-020216-CMNZ](#)



masterspec partner

Technical Statement

Product Description

KLC "Generation 2" NZ Timber Cladding Systems components are finger jointed timber products treated to H3.2 and consist of the following products:

- Vertical Board and Batten – 180 x 18mm board, 65 x 18mm batten
- Vertical Shiplap – 180 x 18, 135 x 18mm (various profiles)
- Fascia in 135, 180, 230, 280 x 18mm and 135, 180, 230, 280 x 29mm
- Box Corners in 85 x 18 and 100 x 18mm (internal and external).
- D4S 40, 65, 90, 115, 135, 180, 230, 280 x 18mm

Scope of use

Designed for use as cladding and finishing systems for residential and light commercial buildings.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3(a), B1.3.3(c), B1.3.3(f), B1.3.3(h), B1.3.3(j)
- **Clause B2 Durability:** Performance B2.3.1(b)
- **Clause E2 External moisture:** Performance E2.3.2, E2.3.5
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



CodeMark
[AQ-020216-CMNZ](#)

Product Criteria

Design requirements

KLC Generation 2 H3.2 Vertical profiles have been designed for use in residential and small commercial building applications. The weatherboards are a thickness width of 18mm and are available in a range of face profiles.

The KLC Generation II H3.2 vertical profiles are an Acceptable Solution in E2/AS1 for direct fix only. However horizontal cavity battens can be used for cavity fix as an Alternative Solution.

For information on requirements for rained ventilated cavities refer to the Acceptable Solution E2/ AS1, paragraph 9.1.8.

Weatherboard cladding systems are an acceptable solution under the terms of the New Zealand Building Code E2/AS1. NZBC E2/AS1 section 1.5 specifies that the design, installation and alteration of cladding is classed as restricted building work.

The KLC Generation 2 cladding products must be installed by a Licenced Building Practitioner (LBP)

Installation requirements

The KLC Generation 2 cladding products must be installed by a Licenced Building Practitioner (LBP)

KLC Generation 2 H3.2 weatherboards are limited to use in buildings with a risk matrix score of 20 or below as outlined in E2/AS1 paragraphs 3.4.1 to 3.4.3 (Weather Tightness Matrix)

Maintenance requirements

Must be maintained in accordance with the relevant KLC installation guides.

Company Contact Details



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Products have a premium factory applied primer and undercoat applied in two separate coats.

All painting must be carried out in a good tradesman like manner and in accordance with AS/NZS 2311 2009.

Please refer to BRANZ Good Practice Guide to Exterior Coating. Do not paint Generation 2 weatherboards if the moisture content is over 15%.

Dark colors will absorb heat from the sun and may cause excessive movement, distortion, cracking and possible resin bleed. Light colours reflect the sun's heat.

The KLC warranty will be void if the dark colours with a Light Reflectance Value (LRV) less than 45 are used.

Use top coat applications of over 45 LRV.

Warrantees

KLC Generation 2 NZ Timber Cladding Systems have a 50 year treatment warranty.

KLC will not warranty and Generation 2 H3.2 product that has not been stored correctly, installed as per the NZ Building Code and by a Licenced Building Practitioner and painted in accordance with AS/NZS 2311 2009.

Company Product Information

Environmental

Koppers MicroPro® Wood Treatment Technology

1. Scientific Certification Systems Greenguard® Environmental Institute
2. Greenguard® Environmental Institute
3. Global GreenTag International - GreenRate™
4. Global GreenTag International - Health Declaration

Videos

[KLC NZ Timber Cladding](#)



Date last validated: **05 April 2019**



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