

Generation II

Exterior Cladding Systems

H3.2 Environmentally Sustainable
MicroPro® Treatment



Natural. Durable. Classic.

Generation II H3.2 products provide a superior exterior cladding solution for your new build or renovation project. We produce strong and durable products that stand the test of time, giving you peace of mind and a sustainable product you can trust. Our products are MicroPro® treated against fungal decay and insect attack. MicroPro® is an effective corrosion-resistant treatment for use with stainless steel and hot dipped, galvanised fasteners and fixings. A two coat, superior alkyd priming system is applied, providing good water resistance protection.

PROUDLY MADE IN NZ BY

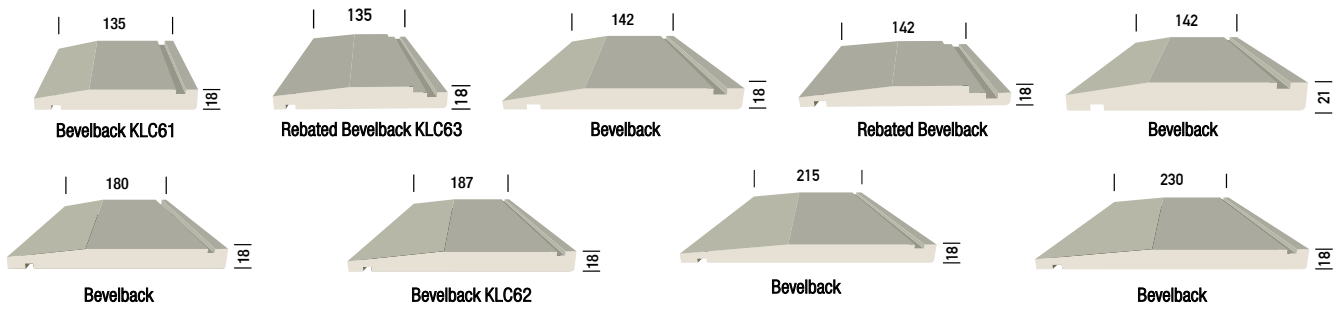


Codemark Certification

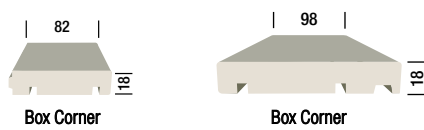
Our Codemarked products comply with the requirements of the New Zealand Building Code and must be accepted by any building consent authority as complying with the Building Code, provided it is used as specified.



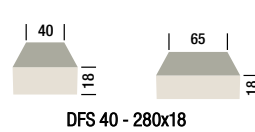
Bevelback Weatherboards



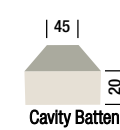
Box Corner



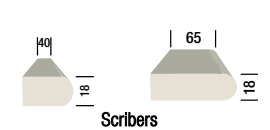
Finishing Boards D4S



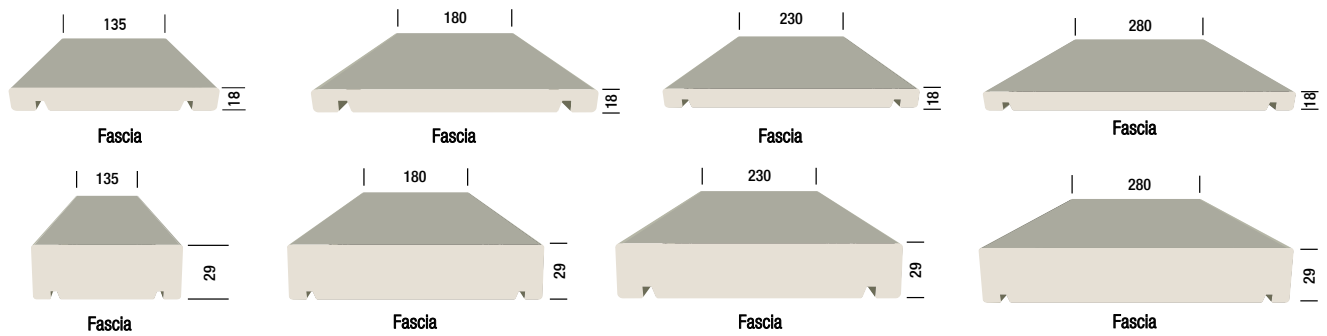
Cavity Batten



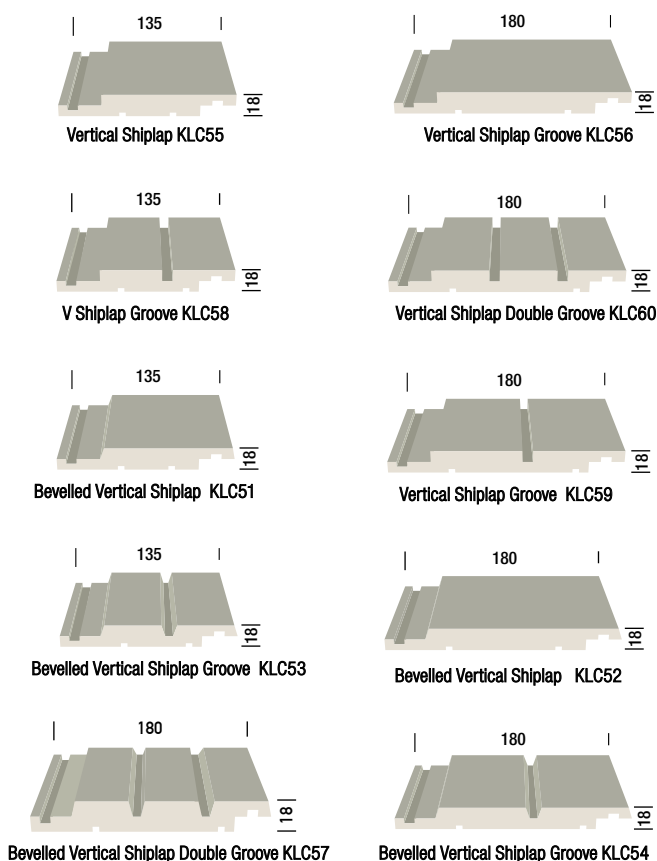
Scribers



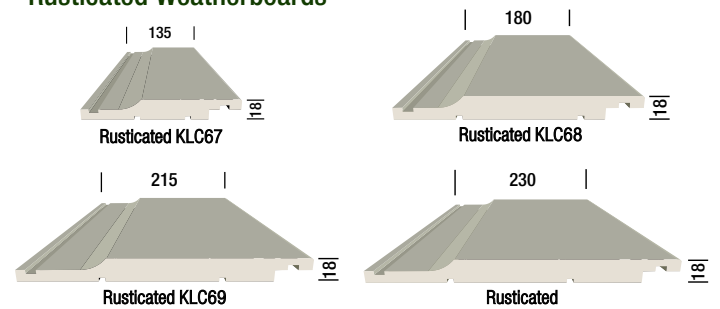
Fascia



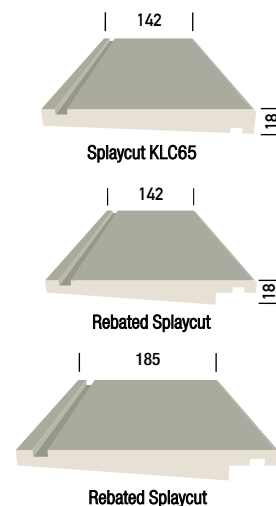
Shiplap Weatherboards



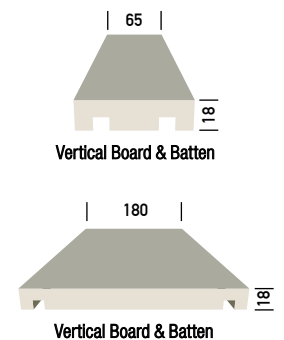
Rusticated Weatherboards



Splaycut Weatherboards



Vertical Board & Batten





Four Walls Architecture



TIMBER

We only use high grade FSC® NZ Radiata Pine to make our Generation II H3.2 product range



STRENGTHENED

The timber blocks are finger jointed together using a polyurethane adhesive system to a range of lengths



TREATED

We use the innovative treatment technology MicroPro® to protect timber from termites, borer and fungal decay. Arsenic and Chromium free



KILN DRIED

The treated timber is kiln dried to a specific moisture content. Stable and enhanced by second drying



PROFILED

Timber is moulded to various weatherboard, Facsia and D4S patterns



PRIMED

A two coat, superior alkyd priming system supplied by PPG



PAINTING

Apply two coats of premium exterior grade top coat over 45 LRV



Generation II H3.2 Key Features

- Treatment warranty of 50 years protection, more than double other treatments.
- The MicroPro® treatment system is a water-borne, copper-based biocide preservative system. Applied to the wood using a high pressure treatment process, achieving full penetration, and is effective against fungal decay, borer and termite attack*
- Testing has shown kiln-dried MicroPro® treated products are less likely to show resin bleed when painted in accordance with the manufacturers recommendations.
- Reduced corrosivity when compared to other alternative treatments, allowing the use of corrosion-resistant fasteners including hot-dipped galvanised, stainless steel or other approved fasteners to meet building code requirements, as well as use in direct contact with aluminium products.
- New Zealand Radiata Pine sourced from renewable plantation forestry. KLC is a Chain of Custody, FSC® Certified Company. Ask about our KLC range of FSC® Certified Products.
- Several H3.2 Micropro® treated exterior cladding options to choose from.
- Eco-friendly with four environmental credentials.
- Weatherboards up to 6.3 metres in length.
- Formaldehyde-free and low volatile organic compounds used in the treating and gluing manufacturing process.
- No odour.
- A two coat, superior alkyd priming system, supplied by PPG, is applied and provides good water resistance.**
- Approved for aluminium contact.*

* Refer to www.kopperspc.co.nz for more information or contact: Koppers Performance Chemicals New Zealand, PO Box 22-148, Clendon, Auckland 2214. Telephone 09 277 7770.

** Refer to www.ppg.co.nz for additional information on top coat systems.

Product Handling and Installation

Fasteners

Use fasteners, fixings and hardware that comply with nz building code requirements and meet with the manufacturer's recommendations for their intended use. Suitable fasteners to use with MicroPro® treated products include stainless steel and hot dipped galvanised nails.

Note: In seaspray and geothermal zones ensure all specified fasteners and fixings comply with the environmental exposure.

Installation

KLC's Generation II exterior claddings must be installed in accordance with our recommendations of use and installation. www.generation2.build or through www.klc.co.nz

Site Storage

- Store on a flat surface 150mm above ground, supported every metre along the length of the product.
- Protect from the elements including direct sun and rain
- Store in a dry, well-ventilated place

Technical and Manufacture

KLC manufactures and distributes a wide range of precision made timber building materials utilising our state-of-the-art processing plant. Timber is sourced from sustainable forestry and is processed with equal regard for environmental sustainability and a strong focus on quality.

Our Process

The Wood

Wood is our most sustainable raw material. As a building material its benefits are unparalleled. Wood results in far less carbon dioxide emissions into the atmosphere than competing building products. Growing forests absorb carbon dioxide (CO₂) from the atmosphere and by choosing wood over other products we reduce the amount of CO₂ emissions. Forests and wood fight global climate change. KLC is committed to environmental stewardship through the selection and use of all our raw materials, including our primary resource – wood.

The Adhesive System

Henkel's Purbond® adhesive system is part of the world's first and only polyurethane adhesive system to pass all tests required for ANSI/ AITC 405- 2008 certification – the glulam standard. Loctite Purbond® technology aligns with the KLC philosophy of environmental regard, with a solvent system that is formaldehyde free.

The Timber Treatment

MicroPro® Treated Wood Products

The MicroPro® Micronized Copper Azole (MCA) based preservative system for wood products protects from insects, termites and fungal decay and is manufactured by Koppers Performance Chemicals. The preservative contains a mixture of micronised copper carbonate (copper) and tebuconazole (azole).

The MicroPro® treatment system is a water-borne, copper-based biocide preservative system with minimal leaching and is US Environmental Protection Agency (EPA) registered. MicroPro® is environmental sustainable, this is demonstrated in low leaching of treatment preservatives from the timber, low volatile organic compound (VOCs) emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.

When correctly installed in the intended situation for the specified Hazard Class, a service life of 50 years or more is expected. MicroPro® micronized copper azole preservatives are approved for use in New Zealand and Australia, and the required preservative retentions and penetration are specified in the relevant preservative standards NZS3640:2003 and AS/NZS 1604 Series.

www.kopperspc.co.nz

The Paint

PPG 839 Enduraprime is a high quality alkyd (oil) based primer formulated as a wood primer, pre acrylic (water based) or alkyd (oil based) top coat applications. This primer has an established reputation as a proven performer as a base coat product and has been sold in this market for over 35 years.

Company Profile



Naturally Better ■ ■ ■

KLC Limited is a privately owned company that was established in 1997, and is based in Kaingaroa. From that time, the company has developed from a custom kiln dry operation to a full timber re-manufacturing facility and timber treatment operation. The timber used is 100% New Zealand Radiata Pine sourced from renewable, plantation forestry. KLC is a Chain of Custody, FSC® Certified Company. Ask about our KLC range of FSC® Certified Products.

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