

Generation 2

NZ Timber Cladding Systems



Natural. Durable. Classic.

Generation 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® (MCA) treated against fungal decay and insect attack. MicroPro® (MCA) is an oil (alkyd) based, 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

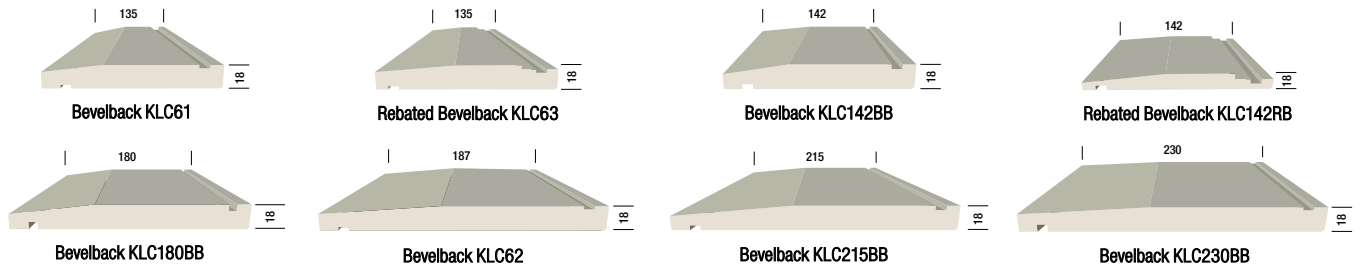


Codemark Certification

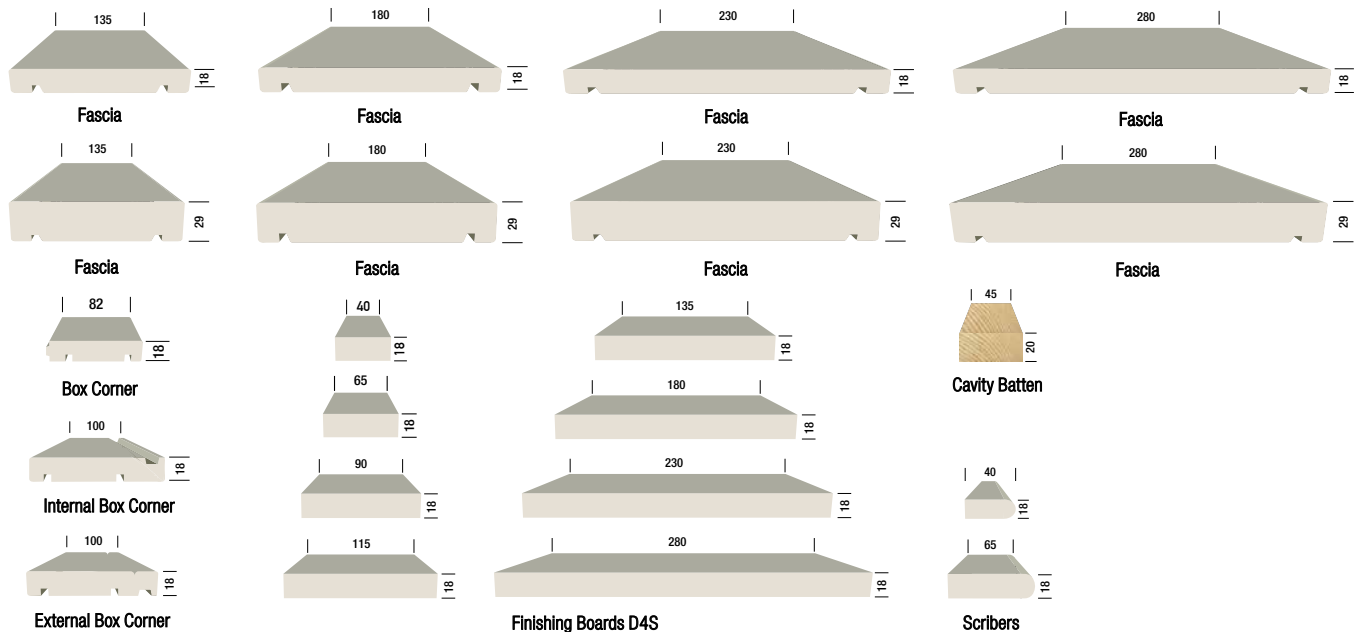
Our Codemarked products comply with the requirements of the New Zealand Building Code and must be accepted by any building consent authority as complying with the Building Code, provided it is used as specified.



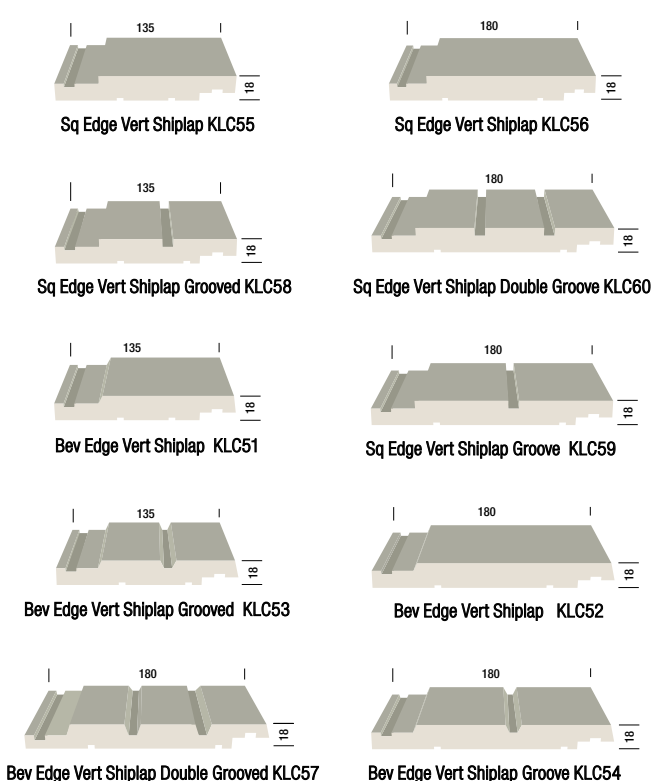
Bevelback Weatherboard Profiles



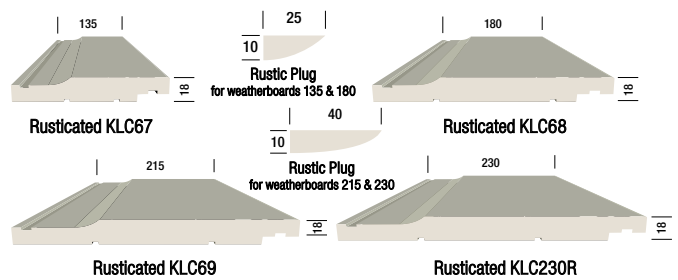
Extras - Fascia, Box Corners, DFS, Cavity Batten and Scriber Profiles



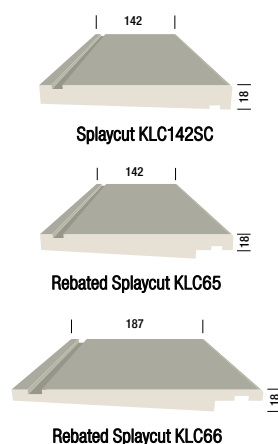
Vertical Shiplap Weatherboard Profiles



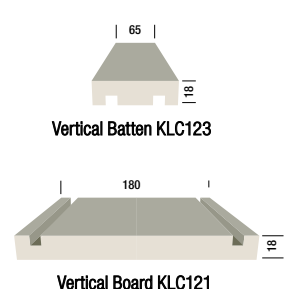
Rusticated Weatherboard Profiles



Splaycut Weatherboard Profiles



Vertical Board & Batten Profiles





Generation2 Key Features

- Treatment warranty of 50 years protection, more than double other treatments.
- The MicroPro® (MCA) 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® (MCA) 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® (MCA) 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.*

* www.kopperspc.co.nz
Koppers Performance Chemicals
New Zealand, PO Box 22-148, Clendon,
Auckland 2214. Tel 09 277 7770

**www.ppg.co.nz for info on top coat systems



MicroPro® (MCA) 50 Years Treatment Warranty

When correctly installed in the intended situation for the specified Hazard Class, a service life of 50 years or more is expected. MicroPro® (MCA) 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 and AS/NZS 1604 Series.



TIMBER

We only use high grade FSC® NZ Radiata Pine to make our Generation 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® (MCA) to protect timber from termites, borer and fungal decay. Arsenic and



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, Fasia 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

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® (MCA) 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 2 exterior claddings must be installed in accordance with our recommendations of use and installation. or visit www.klc.co.nz

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



Koppers MicroPro® Wood Treatment Technology

The MicroPro® Micronized Copper Azole (MCA) based preservative system protects wood products 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 four Environmental Certifications.



1. Scientific Certification Systems

MicroPro® (MCA) is the first treated wood process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment. As the leader in green building product certification since 1990, SCS was the first company to offer manufacturers a program for verifying the accuracy of environmental claims on products.



2. Greenguard® Environmental Institute

MicroPro® (MCA) is environmentally 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.



3. Global GreenTag International - GreenRate™

MicroPro® (MCA) Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A award under Version 4.0 of the Global GreenTag International Product Certification Standard. It is the highest level achievement for a product under Global GreenTag's GreenRate™ product rating system – declared by the certification body as 'Fit-for-Purpose' and confirmed for Green Building compliance.



4. Global GreenTag International - Health Declaration

The GreenTag™ Product Health Declaration proves that Koppers MicroPro® (MCA) Wood Treatment Technology is safe for human health (and ecosystems) and can be used with absolute peace of mind in workplace and residential building projects. Reducing risks for Building, Design and Procurement Professionals whilst supporting the user and occupant's health and wellbeing compared to products that don't.

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 drying 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.

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.



Generation 2
NZ Timber Cladding Systems
www.klc.co.nz

KLC Limited

MANUFACTURING FACILITY: Cnr Middle Road & Kennedy Street, Kaingaroa Village, New Zealand PHONE +64 7 366 9900
OFFICE 254 Old Taupo Road, Rotorua West 3044, New Zealand ENQUIRIES info@klc.co.nz PHONE +64 7 349 2862