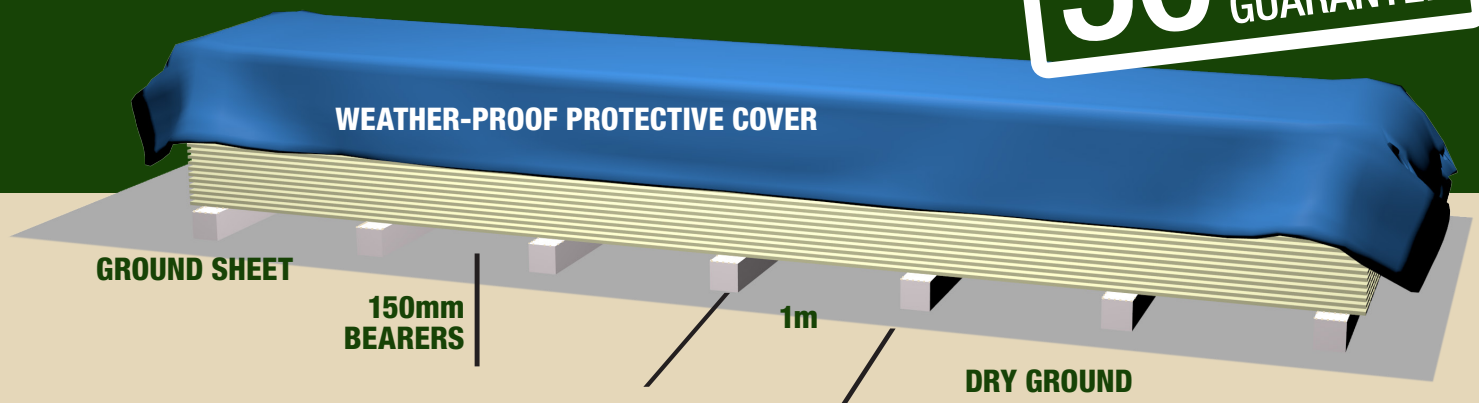


# YOU MUST READ THIS ONSITE STORAGE

**50 Years**  
GUARANTEE



## Before you Store, install and paint your KLC Generation II H3.2 Timber Products

- Store on a flat surface 150mm above ground, supported every 1m
- Protect from the elements e.g direct sunlight and rain
- Store in a dry well-ventilated area
- If stored outside there **MUST** be a moisture barrier (ground sheet) under the stack

**Note - Generation II H3.2 products are made from kiln dried timber. Timber will absorb moisture in a damp environment and release it in a dry environment. If Generation II H3.2 products do absorb moisture prior to installation, dimensional swelling may occur, this will disappear when the timber returns to its original moisture content.**



### Treated

MicroPro® H3.2 treatment system is a water-borne, copper-based preservative system. Applied to the wood using a high pressure treatment process, it penetrates deeply and is effective against fungal decay, borer and termite attack. Arsenic and chromium FREE. Kinder environmentally.



### Strengthened

Finger jointed with Loctite Purbond® adhesive technology.



### Kiln Dried

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



### Profiled

The timber is then moulded, using sophisticated German-engineered machinery to profile specification – weatherboard, fascia, boxed corners, cavity batten, scribe and D4S.



### Primed

A two coat, superior alkyd priming system, supplied by PPG, is applied and provides good water resistance.



“Congratulations on the purchase of your KLC Generation II H3.2 profiled product. Generation II H3.2 products come with a 50 year treatment guarantee provided you store, install and paint your Generation II H3.2 products correctly. Please read this document carefully before using the product.”

**Kevin Lewis**  
Managing Director  
KLC Limited

# Installation



- Visit [www.generation2.build](http://www.generation2.build) for the Generation 2 Installation Guide.
- Installation must be by a Licensed Building Practitioner (LBP) or supervised by an LBP. Please refer to BRANZ Bulletin Number 468 Fixing of Timber Weatherboards.
- Do not install Generation II H3.2 weatherboards if their moisture content is over 15%.
- Re-Prime all cut ends, mitres, notchings, borings with 1 coat of alkyd primer.
- On Bevel Back profiles, nails and fixings are to be located 40mm above the lower edge of the board penetrating 35mm into the framing.
- Use 75x3.15 Hot Dipped Galvanised nails for fixing Generation II H3.2 Bevel Back weatherboards. Refer to BRANZ Bulletin 468 and E2/AS1 for complete list of fixing options.
- If building in “seaspray or geothermal zones”, it is the building designers responsibility to ensure all specified fastenings, fittings, and flashings comply with NZS 3604, Section 4 - Durability.
- Avoid joining Generation II H3.2 weatherboards whenever possible, but if unavoidable use a 45 degree scarf joint directly over studs or Generation II H3.2 FJ Cavity Batten. Care must be taken to angle mitre joints away from the prevailing weather, and or use flat soakers. Alternatively, a butt joint is acceptable using flat soakers.
- Hand nailing is recommended as nail guns can cause damage to the surface of the board. If a nail gun is used, a non-marking attachment should be used to avoid damage to the surface. As soon as nails are punched below the surface of the weatherboard they must be filled with an exterior grade filler immediately to prevent moisture uptake in the weatherboards.
- Single nail all weatherboard profiles, regardless of size. Nailing boards together will likely result in split boards.
- Pre-drill all boards 50mm from the end to avoid end splitting.
- Leave a 2mm expansion gap in the lap of rebated profiles i.e. Rusticated & Shiplap to allow for expansion and contraction.
- Timber weatherboards are designed to accommodate thermal, seismic and moisture related movement in the boards laps. Each weatherboard is single nailed so that the weatherboards can expand, contract and move independently of each other. KLC does not recommend the use of any sealant glue which inhibits the natural and ongoing movement of the weatherboard.

# Painting



- Generation II H3.2 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 also refer to BRANZ Good Practice Guide to Exterior Coating.
- Do not paint Generation II H3.2 weatherboards if the moisture content is over 15%.
- Remove any dirt and surface contamination by sanding and dusting down. Prime immediately any exposed bare timber with a premium exterior alkyd primer.
- Darker colours 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 dark colours with a Light Reflectance Value (LRV) less than 45 are used.
- Apply two coats of quality exterior house paint at a rate no greater than 12m<sup>2</sup> per litre per coat.
- **HOW IT IS MADE**
- KLC Generation II H3.2 products are manufactured from short lengths of clear high grade radiata pine that are finger-jointed together using a structural glue to produce an untreated length of 6.3metres (substrate).
- The substrate is then treated to H3.2 using the revolutionary water based micronised copper timber treatment technology called MicroPro®.
- It is then kiln dried (KD) to a pre-determined moisture content.
- The KD H3.2 substrate is then profiled to various Weatherboard, Fascia and O4S profiles. To complement these appearance grade products, a two coat alkyd priming system is applied.
- Generation II H3.2 MicroPro treated products are protected from termites, borers and fungal decay and are backed by Koppers 50 Year Limited Guarantee. [www.kopperspc.co.nz](http://www.kopperspc.co.nz)
- **VOIDING THE WARRANTY**
- KLC will not warranty any Generation II H3.2 product that has not been stored correctly, installed as per the NZ Building Code and painted in accordance with AS/NZS 2311 2009.