KEEP IT DRY
YOU MUST READ THIS
ONSITE STORAGE

WEATHER-PROOF PROTECTIVE COVER

GROUND SHEET

DRY GROUND

150mm BEARERS

1m

MICROPRO® TREATMENT WARRANTY
MICROPRO® TREATMENT WARRANTY
50 YEARS
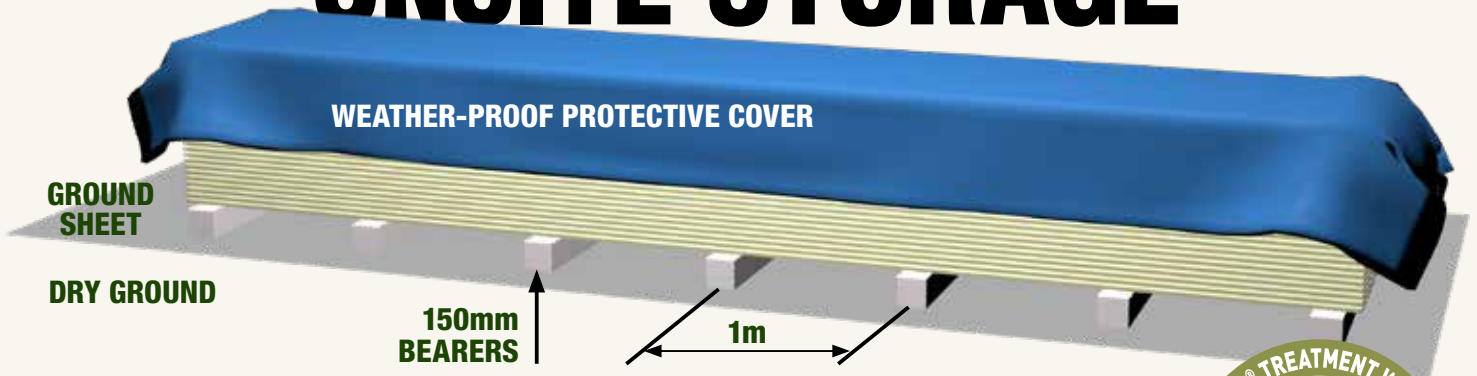
Before you store, install and paint your KLC Generation II® H3.2 Timber Products

- **MUST remain dry at all times prior to installation.**
- **MUST be stored indoors on a flat surface off the ground, on bearers 150mm above ground, supported every one metre.**
- **If stored outside, there MUST be a moisture barrier (ground sheet) under the stack and a secondary waterproof cover. Allow for a good air circulation.**
- **Keep out of direct sunlight and protected from both rain and ground moisture uptake.**
- **Ensure that the framing and cavity battens are dry prior to installation. The underside of the weatherboard is vulnerable to water ingress if the moisture content is higher than 15%.**

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. If the boards have become wet, check the dimensions of the profile. If the dimensions are larger than the specification leave the boards to dry and regain correct profile specifications before installation.

CODEMARK™
AQ-020216-CMNZ

"Congratulations on the purchase of your KLC Generation II® H3.2 profiled product. Generation II® H3.2 products come with a 50 year treatment warranty 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

Generation II® H3.2
Exterior Cladding Systems

Environmentally Sustainable MicroPro® Treatment

Natural. Durable. Classic.

PROUDLY MADE IN NZ BY

KLC
Naturally Better

Installation

- Visit www.generation2.build for the Generation II® Installation Guides.
- 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, notching's, borings with 1 coat of alkyd primer.
- On Bevel Back profiles, nails and fixings are to be located 42mm 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 Exterior Claddings. 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 join 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 primed and then 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. Horizontal and vertical profiles 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 suns heat. The KLC warranty will be void if dark colours with a Light Reflectance Value (LRV) less than 45 are used.
- Apply a base coat and two top coats of a quality exterior house paint at a rate no greater than 12m^2 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 D4S 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 Treatment Warranty. 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 by a Licenced Building Practitioner and painted in accordance with AS/NZS 2311 2009.
- The moisture content of the KLC weatherboards must be checked prior to installation and painting. This must not exceed 15% moisture content.