IBUILT™
Engineered Wood Products

BUILDING PRODUCT INFORMATION SHEET
IBUILT CORECLAD PLYWOOD CLADDING

May 2023

Product Description

IBuilt CoreClad plywood cladding is manufactured from both Hoop Pine and Klinki Pine, which have been grown from sustainably managed plantation forests.

Individual veneers are treated to meet hazard class H3.2 and then manufactured into plywood sheets by bonding the treated veneers with a Type A structural marine bond. The plywood sheets are machined, band sawn, grooved (if required) and ship-lapped to form the finished cladding panel.

IBuilt CoreClad panels are supplied in an SD grade with a textured face, F14 strength, 12mm thick, in three lengths - 2440mm, 2745mm and 3050mm. The sheet width offer 1200mm cover and is 1220mm wide overall. CoreClad is available as grooved and ungrooved.

Product Identifier

IBuilt CoreClad is identified by checking the rear 'D face' of the sheet for the following markings:

Manufacturer:	PNG Forest Products
Product description	Structural
Manufacturing standard	AS/NZS 2269
Face & back veneer grade - Cladding	SD
Bond type	A BOND
F-grade	F14/F14
Panel construction	12-24-5
Formaldehyde emissions class	E0
Treatment class & Standard (if applicable)	H3.2 AS/NZS1604

Source of Product

IBuilt CoreClad is manufactured by PNG Forest Products Limited (PNGFP) and distributed by New Zealand Wood Products under the IBuilt brand. PNGFP is an EWPAA certified mill (Mill number 916)

Manufacturer: PNG Forest Products Limited
PO Box 88, Bulolo, Papua New Guinea
www.PNGFP.com

NZ Distributor: New Zealand Wood Products Limited.
PO Box 76412, Manukau, Auckland 2241
www.IBuilt.co.nz
sales@IBuilt.co.nz
NZBN: 9429034720325

New Zealand Building Code Compliance

If designed, installed and maintained in accordance with all IBuilt requirements, CoreClad will comply with or contribute to compliance with the following performance claims:

B1 Structure:
B1.3.1, B1.3.2,
B1.3.3 (a, b, f, h, j, m, q)
B1.3.4 (a, b, c, d, e)

CoreClad is an alternative solution as demonstrated by being manufactured to AS/NZS2269 in accordance with EWPAA certification. Plywood manufactured to AS/NZS2269 is referenced in E2/AS1 for use as a rigid air barrier and external cladding, implying plywood manufactured to this standard will have the necessary structural integrity for those uses.

B2 Durability:
B2.3.1 (b)
B2.3.2 (b)

CoreClad is an acceptable solution demonstrated through testing for H3 treatment retention and achieving the requirements of AS/NZS1604.3 in accordance with NZS3602.2003.

E2 External Moisture:
E2.3.2, E2.3.5
E2.3.7 (a, b, c)

CoreClad is an acceptable solution under E2/AS1 when installed as per section 9.8.

F2 Hazardous Building Materials:
F2.3.1

CoreClad is an alternative solution demonstrated by the PNG Forest Products mill being certified by the EWPAA.

Scope of Use

CoreClad must be installed in accordance with section 9.8 E2/AS1. CoreClad can be used:

- In external, above ground applications.
- In windzones up to extra high, as defined in NZS3604:2011 or to a design wind pressure (ULS) of 2.1kPa.
- In all exposure zones as defined in NZS3604:2011.
- At least one metre of a relevant boundary.
- In conjunction with a primary structure that complies with the New Zealand Building Code, or where the designer and/or the installer has established that the existing structure is suitable for the intended building work.
- Direct fixed or installed over a drained and ventilated cavity.

Limitations of Use

CoreClad cannot be used:

- Where adverse microclimatic conditions apply, as set out in paragraph 4.2.4, NZS3604:2011.
- The building is to fall within the scope of E2/AS1 paragraph 1.1 for building height and floor area.
- Direct fixed only applies where the elevation has a risk score of 6 or less (refer table 3, E2/AS1).

Ensure only compatible materials/fixings are in direct contact with ACQ H3.2 treated plywood.

These products are not subject to a warning or ban under section 26 of the Act.

Chain of Custody

PNG Forest Products Plywood holds PEFC Chain of Custody accreditation on the basis of 100% controlled sources.

PEFC promotes a Chain of Custody system that tracks the wood source to the final product, ensuring that the wood contained in the product originates from sustainably managed forests.

For a product to qualify for PEFC Chain of Custody accreditation, all entities along the supply chain must possess a PEFC Chain of Custody certificate and undergo an extensive risk assessment.

New Zealand Wood Products Limited is independently audited by SGS to ensure Chain of Custody compliance for both PEFC and FSC sourced products.

Installation

CoreClad must be installed as per the CoreClad Design and Install Guide. The guide can be found at www.ibuilt.co.nz

Maintenance

To get the best performance out of CoreClad, it is required to be regularly checked, washed and maintained. Please refer to the IBuilt CoreClad Care and Maintenance Guide found at www.ibuilt.co.nz

Regular washing

New Zealand Wood Products Ltd recommends that at least once a year the exterior panels are washed down with a mild detergent and a fine brush to remove dirt, mould, lichen, and salt deposits. The southern side of the building is likely to be the dampest, so make sure you do carry out a check and remove mould and lichen deposits. A water blaster should not be used for cleaning CoreClad as it could damage the surface coating.

Regular checks

Make sure you check:

- fixings and flashings
- for damage to components
- for adequate ground clearances and that surrounding vegetation is not encroaching on the cladding.

Recoating

CoreClad requires re-staining or repainting to protect the timber surface from the effects of weathering and fading.

This is likely to be more pronounced the sides exposed to the northern and western afternoon sun.

Re-staining or repainting should be carried out in accordance with the recommendations of the paint or stain supplier, taking into account site-specific conditions e.g. atmospheric and ultraviolet conditions.

This document has been prepared to meet the requirements of the Building (Building Product Information Requirements) Regulations 2022

PNGFP Engineered Wood Products

ewpaa

PEFC PEFC/40-31-20 Promoting Sustainable Forest Management www.pefc.org

NZWOOD
NEW ZEALAND WOOD PRODUCTS LIMITED

149 Kerrs Rd, Wiri, Auckland
PO Box 76412, Manukau, Auckland 2241, New Zealand
Tech Info Line: 0800-022-352

Phone: +64-9-268 6540
sales@ibuilt.co.nz
techinfo@ibuilt.co.nz
www.ibuilt.co.nz

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