StructuralPly
BPIR Declaration

Version: v2

Designated building product: Class 1

Declaration

SKAPE LIMITED has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	StructuralPly
Line	
Identifier	AraucoPly Structural Plywood can be identified by the markings on the sheets. The sheets are marked in accordance with AS/NZS 2269. This includes the brand name Maderas Arauco, Product of Chile.

Description

StructuralPly is a product designed for construction and semi-decorative applications.

StructuralPly is manufactured and tested to meet all the requirements of Plywood Structural Standard AS/NZS 2269 which gives assurance of the structural integrity that this product is designed for use in New Zealand.

The panels are made from CD Grade Radiata Pine veneers that are then bondede together with a WPA A-Bond glue forming a durable and strong plywood product.

StructuralPly is available in a range of nominal sizes and are typically F8 stress grading. Available untreated or envelope treated H3.2 CCA.

FEATURES

- NZ Building Code – AS/NZS 2269:2012
- 100% Radiata Pine
- Stress Grade F8
- Available untreated or treated H3.2 CCA

- WPA A-Bond Exterior Glue Line
- Super E0 Low formaldehyde emission

BENEFITS

- Face sanding 150-grit and ready to finish
- Easy to work with using both hand and machine tools
- Glues and finishes well, making it a versatile wood
- Budget-friendly – economical choice for various applications

DIMENSIONS

Sheet Size	Thickness
2400 x 1200 mm	7, 9, 12, 15, 18, 21, 25 mm
2700 x 1200 mm	7, 9, 12, 18 mm

PERFORMANCE

- NZ Building Code – AS/NZS 2269:2012
- PEFC Certified
- Glue Formaldehyde Emissions – CARB compliant
- Environmental Protection Standard: ISO 14001:2004
- Quality Management Standard: ISO 13986:2004

Scope of use

- General construction applications
- Bracing elements, box beams and hoardings
- Wall and ceiling lining
- Flooring

Conditions of use

- StructuralPly H3.2 CCA treated must not be installed in direct contact to steel frames.
- Appropiate clearances to the ground must be provided to meet durability standards as specified by design professionals.
- Refer to the "AraucoPly Product Catalogue" for further information, limitations, usage of StructuralPly.

Relevant building code clauses

B1 Structure – B1.3.1, B1.3.2, B1.3.3 (f, h, m), B1.3.4

B2 Durability – B2.3.1 (b)

E2 External moisture – E2.3.2, E2.3.5, E2.3.7

F2 Hazardous building materials – F2.3.1

Contributions to compliance

StructuralPly is designed for use in general or specific design applications in accordance with the New Zealand Building Code (NZBC) Caluse B1/VM1 (B1 Structure Verification Method) or specified in accordnace with B1/AS1 (B1 Structure Acceptable Solutions) or E2/AS1 (E2 External Moisture Acceptable Solutions) is suitable use as a structural plywood panel within structural systems as designed and specified by suitably qualified professionals and engineers. The installation and detailing of StructuralPly is to be installed in accordance with the specifications and details as provided by the design professionals and engineers.

Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3(a,b,c,f,h,l,j,q), B1.3.4(d)

StructuralPly is product certified by SAI Global as being manufactured in accordance with the joint New Zealand/ Australian AS/NZS 2269, Structural Plywood.

Clause B2 Durability: Performance B2.3.1(a), B2.3.2

StructuralPly meets the requirements of NZBC Clause B2 Durability. When used in accordance with good building practices and treated to the prescribed levels in NZS 3602, it forms part of an Acceptable Solution complying with NZBC (Acceptable Solution B2/AS1, 3.2.1).

Clause E2 External Moisture: Performance E2.3.3, E2.3.4, E2.3.5

StructuralPly with exrterior and ground clearances detailed in accordance with E1/AS1 Clause 9.1.3 and Clause 6.14.5 and Figure 6.21 of NZS 3604 will meet the performance requirements of E2.3.3, E2.3.4 and E2.3.5 when treated to the requirements of B2 Durability.

Clause F2 Hazardous Building Materials: Performance F2.3.1

StructuralPly complies with this clause, ensuring it does not present a health hazard to people.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Maderas Arauco S.A.
Legal and trading name of importer	SKAPE LIMITED
Importer address for service	27 Poporo Way Hastings 4175
Importer website	www.skape.co.nz
Importer NZBN	9429052619854
Importer email	sales@skape.co.nz

Building code performance clauses

B1 Structure

B1.3.1

Buildings, *building elements* and *sitework* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

Buildings, *building elements* and *sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings*, *building elements* and *sitework*, including:

- (f) earthquake
- (h) wind
- (m) differential movement

B1.3.4

Due allowances shall be made for:

a. the consequences of failure,
b. the intended use of the *building*,
c. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
d. variation in the properties of materials and the characteristics of the site, and
e. accuracy limitations inherent in the methods used to predict the stability of *buildings*

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (b) 15 years if: those building elements (including the building envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during normal use of the building, but would be easily detected during normal maintenance.

E2 External moisture

E2.3.2

Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to *building elements*, or both.

E2.3.5

Concealed spaces and cavities in buildings must be constructed in a way that prevents external moisture being accumulated or transferred and causing condensation, fungal growth, or the degradation of building elements.

E2.3.7

Building elements must be constructed in a way that makes due allowance for the following:

a. the consequences of failure:
b. the effects of uncertainties resulting from *construction* or from the sequence in which different aspects of *construction* occur:
c. variation in the properties of materials and in the characteristics of the site.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.