CLASS 1

Building Product Information Sheet

Product name:

Red Meranti Marine Plywood

Product line (the product line from which the product is customised)**:**

Black Forest Marine Ply

Product description and its intended use (measurements, materials, usage)**:**

Red Meranti Marine Plywood 2440x1220x4mm B/BB Face Quality 3 Ply

Available Sizes: 4mm, 6mm, 9mm, 12mm, 15mm, 18mm, 25mm x 1220x2440mm

Product Identifiers in order above: BFMBS10884; BFMBS10886; BFMBS10889; BFMBS108812; BFMBS108815; BFMBS108818 and BFMBS108825

Meranti BS1088 Marine plywood is manufactured from Meranti hardwood veneers. Meranti is commonly used in the Marine and Joinery industries with an appreciation for its natural durability and strength. The face veneers are rotary cut featuring an attractive grain pattern and is ideally suited for clear coat or stained applications. Typical uses include: Boat building: hull, decks and interior joinery. High-end furniture and joinery. Wall and ceiling lining.

Species	Red Meranti	**Features** BS1088 Certified
Grade	B/BB Face Quality 3 Ply	
Treatment	N/A	

Place of manufacture: Indonesia

Legal and trading name of the manufacturer(s):

PT. Sumber Mas Indah Plywood

Legal and trading name of the importer (if applicable)**:**

Black Forest Investments NZ Limited

Address for service:

BDO Christchurch, Awly Building, Level 4, 287-293 Durham Street
Christchurch, New Zealand 8140

Website:	blackforestnz.com
Email:	admin@blackforestnz.com
Phone:	021-194-7088
NZBN:	9429042285861

Te Kāwanatanga o Aotearoa
New Zealand Government

Relevant Building Code clauses:

Manufactured in accordance with BS 1088 is the British Standard specification for marine plywood that applies to plywood produced with untreated tropical hardwood veneers that have a set level of resistance to fungal attack. The plies are bonded with Weather Boil Proof (WBP) glue. Marine plywood is not the same as structural plywood. Marine plywood is designed for use in marine and wet environments and may not meet the requirements for structural plywood as defined by AS/NZS 2269. To determine if Black Forest Marine Plywood complies with the requirements for structural use in AS/NZS 2269, you must review the plywood's specifications against the inetnded use and criteria in NZS 2269. It's advisable to consult with a structural engineer or relevant building authorities to ensure that the marine plywood is suitable and complies with the local building codes and standards for your specific structural application.

Statement on how the building product is expected to contribute to compliance:

Limitations on the use of the building product:

Marine plywood is not the same as structural plywood. Marine plywood is designed for use in marine and wet environments and may not meet the requirements for structural plywood as defined by AS/NZS 2269. To determine if Black Forest Marine Plywood complies with the requirements for structural use in AS/NZS 2269, you must review the plywood's specifications against the inetnded use and criteria in NZS 2269. It's advisable to consult with a structural engineer or relevant building authorities to ensure that the marine plywood is suitable and complies with the local building codes and standards for your specific structural application.

Design requirements that would support the use of the building product:

When used in construction, particularly work deemed to be Restricted Building Work (RBW) as defined in the Building (Definition of Restricted Building Work) Order 2011 it's use should be in accordance with the specifications set out in NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures. Before undertaking any construction work you must consult with your local authority to check than any construction requirements are met and to determine if a Building Consent is required. A qualified tradesman should be consulted where expert services may be required.

Design Considerations

Verify the project's scope to ensure compliance with the intended use, including building suitability, treatment requirements, and structural framing support. Assess substrate compatibility when using B/D Structural Ply for purposes such as wall bracing, external cladding, ceiling diaphragms, flooring, decks, or roof substrates. It is essential to confirm that the substrate aligns with the specific building application. B/D Structural Ply is designed for use as external cladding, a bracing element, ceiling diaphragms, flooring, and deck or roof substrates.

External Cladding

When used as an external cladding, B/D Structural Ply should adhere to E2/AS1 guidelines. The board must have a minimum thickness of 12 mm, be treated with H3.2 (CCA), and coated with a paint finish with a minimum light reflectance value (LRV) of 40. All panels must be installed vertically. Failure to meet paint finish, installation orientation, or fixing instructions will void any warranty.

Bracing Element

When used as a wall bracing element, the following conditions apply:

Sheets should be fixed on one face only, with a sheet height of 2400 mm.

Sheets must be installed vertically, secured with nails or screws at 150 mm intervals around the panel's perimeter and 300 mm intervals on the central studs. Ensure that nails and screws are centered on the studs, with no requirement for fastening to nogs or dwangs.

Appropriate hold downs, like Gib Handibrac, should be installed at each corner of the bracing element.

Ceiling Diaphragm

For large room ceilings with bracing lines exceeding 5m, a ceiling diaphragm may be installed, provided there are at least 100 bracing units in each wall. Specifications must align with NZS 3604 (refer to section 13, paragraph 5.6) or be specifically designed according to NZS 3603:1993. The diaphragm's length should not exceed twice the width measurement between braced walls, and it must consist of B/D Ply across the entire specified diaphragm area.

Flooring

The floor framing should be designed according to NZS 3604:2011 (refer to section 7) or specifically to NZS 3603:1993. Consider floor loads of 1.5 kPa, 2 kPa, and 3 kPa as outlined in NZS 3604:2011 (refer to section 1). Maximum joist spacings (18 mm thickness and 2 kPa load) are 400 mm centres. Other options necessitate a specific design. B/D Structural Ply can serve as a structural floor diaphragm when specified in accordance with NZS 3604:2011 (section 7).

Deck or Roof Substrate

Specifications should align with E2/AS1, and all fixings (materials and spacings) should adhere to NZS 3604:2011.

Support Centres (wall and ceiling lining)

For timber-framed walls, the sheets must be supported by the timber framing, in accordance with the specified spacing:

<u>Wall Lining</u>

Stud centres (mm) = Nogging or dwang centres (mm)

400 = 1200

450 = 1200

600 = 800

<u>Ceiling Lining</u>

Joint/truss centres (mm) = Nogging or dwang centres (mm)

450 = 800

600 = 600

900 = 480

1200 = 480

Installation requirements:

When used in Restricted Building Work as defined in the Building (Definition of Restricted Building Work) Order 2011 plwood must be installed by a Licensed Building Practitioner with appropriate certification. Take care when transporting, handling and storing**Black Forest B/D Structural Ply to avoid damaging sheets. Unload sheets by hand and carry on their side. If unloading mechanically, ensure there is a minimum of two well-spaced supports or supported with a pallet to avoid excessive bending or sagging. If storing on-site, stack ply sheets flat on a dry surface and at least 150 mm off the ground and ensure they are covered. The area where the sheets are stored must be dry, well-ventilated, and out of direct sunlight. No special precautions are required for plywood products in purchased form. Local ventilation should be provided to assure formaldehyde exposure limits are met. Under foreseeable conditions of use, avoid repeated breathing of wood dust. Local ventilation should be provided to remove wood dust from workspaces and to keep within formaldehyde exposure limits. Users should wear protective gloves and goggles. When handling or working on panel products to prevent injury.

Maintenance requirements:

Ensure boards are kept away from excessive moisture and dampness over prolonged periods.

Is the building product/building product line subject to warning or ban under section 26?:

No

If yes, description of the warning or ban under section 26:

N/A

Date: 10/11/2023