

### OVERVIEW

BuildGreen Australia is committed to providing the highest quality Low Pressure Melamine (LPM) Particleboard.

Through rigorous external testing and verification by global third parties, BuildGreen ensures that every sheet of LPM Particleboard adheres to the highest standards of sustainability, and compliance, making it an ideal choice for your building needs.

### COMPLIANCE AND QUALITY ASSURANCE

BuildGreen's LPM Particleboard is manufactured in accordance with AS/NZS 1859.2:2017 standards. Our LPM Particleboard utilises hardened resins in the decorative outer layer to create a chip, scuff, and dent resistant product range ideal for interior use. BuildGreen also implements continuous in-house and independent auditing and compliance checks, ensuring that our products consistently meet NCC legal and safety standards as well as ISO9001, ISO14001 and ISO45001.

### Environmental Sustainability

Environmental sustainability is an integral part of BuildGreen's business operations, products, and practices. All our LPM Particleboard is manufactured from managed and renewable plantation pine that has been Green Tag, Responsible Wood, and PEFC certified. In pursuit of responsible waste management, BuildGreen's LPM Particleboard is made from E1 substrates with a percentage of recycled wood material.

### COMPOSITION

Ingredient	CAS No.	Content
Plantation soft wood	n/a	> 80%
Melamine urea formaldehyde (MUF) resin	25036-13-9	< 20%
Decorative paper	n/a	< 2%
Paraffin wax	8002-74-2	< 1%

## PRODUCT RANGE AND SPECIFICATIONS

BuildGreen offers a comprehensive range of LPM Particleboard, suitable for various indoor construction needs across different contexts, such as bathrooms, kitchens, laundries, wardrobes, and domestic and commercial furniture. Our LPM Particleboard is available in an extensive selection of colours, designs, and surface finishes for every home, workplace, or decorative joinery application.

### Structural Properties

Density	650 kg/m <sup>3</sup>
Modulus of Rupture (MOR)	16 MPa
Modulus of Elasticity (MOE)	2600 MPa
Internal Bond Strength	650 kPa
Moisture Content (ex-factory)	8 %
Thickness Swell (24 hours)	9 %

### Screw Holding

Edge	800 N
Face	600 N

### Weight & Density

Thickness (mm)	Density		Typical Product Weight		
	kg/m <sup>3</sup>	kg/m <sup>2</sup>	2400 x 1200	3600 x 1200	3600 x 1800
16	650	10.40	29.95	44.93	67.39

### Fire Tests

Classified as Group 3 in accordance with specification C1.10 section 4 of BCA

### Product Stamping

**BUILDGREEN**  
LPM PARTICLEBOARD  
AS / NZS 1859.2

## CERTIFICATIONS

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Our timber has the internationally recognised Forest Stewardship Council® certification that provides timber users with confidence that it was sourced from sustainably managed forests. FSC® is the only forest certification system that is supported by all major environmental groups. A number of certification assessments, such as the Australia and New Zealand Green Building Councils, accepts only FSC® as proof of sustainability. Our FSC licence code is: SAI-COC-0076389

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Our timber is tested by globally recognised independent third parties and their accredited laboratories. Our timber testing is backed by ILAC, the international organisation for accreditation bodies in accordance with ISO17011 which provides significant technical underpinning that in turn delivers confidence in the results.

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We maintain ISO9001: Quality Management Systems, ISO14001: Environmental Management Systems, ISO45001: Occupational Health and Safety Management Systems. Our commitment to the International Organisation for Standardisation demonstrates our dedication to excellence. In particular, BuildGreen as the Green Building Company takes a systematic approach to identify and control the environmental impact of our activities and products, working to continuously improve our environmental performance.

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