TruNatur
Particleboard Panel
Technical Data Sheet

Polymer Veneer Woodgrain Indoor Panels
Australia & New Zealand

September 2025

TruNatur Particleboard Panel

TruNatur Particleboard is a versatile panel solution that combines a Particleboard (MR) core with a premium polymer veneer, bonded using advanced PUR reactive hotmelt technology. The premium polymer veneer features a nano coated surface that offers superior resistance to scratches, stains, chemicals, UV exposure and antibacterial protections. TruNatur Particleboard is designed for interior decorative vertical and light-duty horizontal applications – including cabinet doors, drawer fronts, face panels, and floating shelves - and offers a high-performance alternative to natural timber veneer. The panels meet the relevant sections of AS/NZS 1859 and include a limited 7-year warranty.

TruNatur Lightweight Plywood Panel

Face Surface	Premium Polymer Veneer
Back Surface	Premium Polymer Veneer
Core Material	Particleboard Moisture Resistance (MR)
Construction	Advanced PUR reactive hotmelt system

PROPERTY	SPECIFICATION	TEST METHOD
PHYSICAL & DIMENSIONS		
Density	650 kg/m^3	EN 323
Board Length	2400mm 3600mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	16mm nominal	EN 324-1
Board Weight	11kg/m^2	EN 323
MECHANICAL		
Internal Bond	≥ 580 KPa	EN 319
MOR	≥ 19 MPa	EN 310
MOE	≥ 2600 MPa	EN 310
Screw Retention - Face	≥ 700 N	ISO 13894-1
Screw Retention - Edge	≥ 1000 N	ISO 13894-1
Thickness Swell 24 hrs	≤ 10%	EN 317
SURFACE		
Colour Tolerance	Woodgrains, visual match to master	Visual assessment
Gloss Level	≤ 10 GU	ASTM D 523, (60°)
Resistance to surface wear	≥100 Rev	EN 438-2
Resistance to impact	≥ 10N	EN 438-2

egrdecor.com · info@egrdecor.com · +61 7 3718 1100 · 45 Machinery St, Darra, Brisbane QLD 4076

PROPERTY	SPECIFICATION	TEST METHOD
Resistance to scratching	≥ Rating 4	EN 438-2
Resistance to stains	Rating 5 Group I & II Rating 4 Group III	EN 438-2
Resistance to steam	≥ Rating 5	EN 438-2
Resistance to water vapour	≥ Rating 4	EN 438-2
Resistance to light fastening	dE ≤ 1.5 after 3000hrs.	EN 4892-3 (QUV-351)
QUALITY		
Surface defects	≤ 1mm2/m2 – Spots ≤ 10mm/m2 – Liner	EN 438-2
Board edges	Face material within ±3.0 mm of core edge	Steel rule
Surface bond strength	≥ Rating 4	ASTM D3359 Method B
Deviation to flatness	≤ 3 mm/metre in any direction	ISO 13894-1
Resistance to elevated T° (short term)	No noticeable change	ISO 13894-1
HYGIENE PERFORMANCE		
Resistance to bacteria	Over 99% reduction in E. coli and S. aureus bacterial growth within 24 hours	ISO 22196/ JIS Z 2801

TruNatur
Particleboard Panel
Technical
Data Sheet

Polymer Veneer Woodgrain Indoor Panels
Australia & New Zealand

September 2025

1. EGR expressly disclaims any representations or warranties of any kind, whether express or implied, as to the accuracy, currency, completeness and/or the merchantability or fitness for a particular purpose of any information contained in or provided via this documentation and/or any service or product described or promoted in this document. 2. It is the customer's responsibility to thoroughly examine the product using a qualified person, to determine whether it is suitable for the application it was purchased for. 3. The receiver of our products is fully responsible to check and to take into account possible third party's patent rights, as well as the existing laws in the country of installation prior to installing our product. 4. No liability may be derived from these images or statements nor from our free technical advice. 5. EGR reserves the right to change, add or remove colours or product without notice. 6. EGR Decor and EGR are registered trademarks. 7. Images and colours should be used as a guide only. 8. Seven Year Indoor Warranty: The EGR Decor warranties cover faulty materials for the periods specified on the relevant product warranty documents. The EGR Decor warranties commence from the date of sale by EGR, they are not transferable and are subject to the terms, conditions and exclusions contained within those warranties.

@ Copyright 2025 / Patent Pending Oakmoore Pty Ltd trading as EGR.