TruNatur
Waterproof Panel
Technical Data Sheet

Polymer Veneer Woodgrain Indoor Panels
Australia & New Zealand

September 2025

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TruNatur Waterproof is a high-performance, water-resistance panel solution that combines a durable weatherproof composite core (WCC) 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 Waterproof 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 in flood-prone and high-moisture areas. The panels meet the relevant sections of AS/NZS 4386 and include a limited 7-year warranty.

TruNatur Lightweight Plywood Panel

Face Surface	Premium Polymer Veneer
Back Surface	Premium Polymer Veneer
Core Material	Weatherproof Composite Core (WCC)
Construction	Advanced PUR reactive hotmelt system

PROPERTY	SPECIFICATION	TEST METHOD
PHYSICAL & DIMENSIONS		
Density	700 kg/m^3	EN 323
Board Length	2400mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	18mm nominal	EN 324-1
Board Weight	13 kg/m^2	EN 323
MECHANICAL		
MOR	≥ 30 MPa	EN 310
MOE	≥ 3000 MPa	EN 310
Screw Retention - Face	≥ 800 N	ISO 13894-1
Screw Retention - Edge	≥ 700 N	ISO 13894-1
Thickness Swell 24 hrs	≤ 1%	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	≥ 15N	EN 438-2
Resistance to scratching	≥ Rating 4	EN 438-2

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PROPERTY	SPECIFICATION	TEST METHOD
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
Resistance to submersion in water	Withstands full water submersion under normal ambient conditions for up to 7 days with no change	EGR Method
HYGIENE PERFORMANCE		
Resistance to bacteria	Over 99% reduction in E. coli and S. aureus bacterial growth within 24 hours	ISO 22196/ JIS Z 2801

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