EGR DECOR

TruNatur

STD MDF Panel
Technical Data Sheet

Polymer Veneer Woodgrain Indoor Panels
Australia & New Zealand

September 2025

TruNatur STD MDF Panel

TruNatur E0 STD MDF Panel is a premium decorative woodgrain panel solution that combines an E0 standard MDF core with a high-performance 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. Designed for interior use only in dry conditions—not suitable for damp areas or high-humidity environments—TruNatur E0 STD MDF is ideal for applications where a thinner board is required, such as cabinet back panels, furniture backing and undersides, and wall and ceiling linings. TruNatur panels offers a superior, high-performance alternative to natural timber veneer with an elegant finish. The panels meet the relevant sections of AS/NZS 4386 and include a limited 7-year warranty.

TruNatur E0 MR MDF Panel

Face Surface	Premium Polymer Veneer
Back Surface	Premium Polymer Veneer
Core Material	E0 STD Medium Density Fibreboard (MDF)
Construction	Advanced PUR reactive hotmelt system

PROPERTY	SPECIFICATION	TEST METHOD
PHYSICAL & DIMENSIONS		
Density	850 kg/m^3	EN 323
Board Length	3000 mm	EN 324-1
Board Width	1200 mm	EN 324-1
Board Thickness	5 mm nominal	EN 324-1
Board Weight	4 kg/m^2	EN 323
MECHANICAL		
Internal Bond	≥ 1.0 MPa	EN 319
MOR	≥ 40 MPa	EN 310
MOE	≥ 4000 MPa	EN 310
Thickness Swell 24 hrs	≤ 25%	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)
Resistance to bacteria	Over 99% reduction in E. coli and S. aureus bacterial growth within 24 hours	ISO 22196/ JIS Z 2801
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
Resistance to elevated T° (short term)	No noticeable change	ISO 13894-1
COMPLIANCE		
Formaldehyde Emissions	Compliant with E0 / TSCA Title IV	-

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