TruNatur

E0 MR MDF Panel

Technical Data Sheet

Polymer Veneer Woodgrain Indoor Panels

Australia & New Zealand

September 2025

TruNatur E0 MR MDF Panel

TruNatur E0 MR MDF Panel is a premium decorative woodgrain panel solution that combines an E0 moisture-resistant (MR) 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 decorative vertical and light-duty horizontal applications -including cabinet doors, drawer fronts, face panels, and floating shelves- 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 MR Medium Density Fibreboard (MDF)
Construction	Advanced PUR reactive hotmelt system

PROPERTY	SPECIFICATION	TEST METHOD
PHYSICAL & DIMENSIONS		
Density	750 kg/m^3	EN 323
Board Length	2400 / 2700 / 3000/ 3600 mm	EN 324-1
Board Width	1200 mm	EN 324-1
Board Thickness	18 mm nominal	EN 324-1
Board Weight	14 kg/m^2	EN 323
MECHANICAL		
Internal Bond	≥ 0.9 MPa	EN 319
MOR	≥ 40 MPa	EN 310
MOE	≥ 3500 MPa	EN 310
Screw Retention - Face	≥ 700 N	ISO 13894-1
Screw Retention - Edge	≥ 1100 N	ISO 13894-1
Thickness Swell 24 hrs	≤ 5%	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

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)
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
Deviation to flatness	≤ 3 mm/metre in any direction	ISO 13894-1
Resistance to elevated T° (short term)	No noticeable change	ISO 13894-1
COMPLIANCE		
Formaldehyde Emissions	Compliant with E0 / TSCA Title IV	-
Health Certification	Global GreenTag™ Platinum Health certified	-
Fire Classification	BCA Material Group 3	-

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