Technical Data Sheet

TruNatur Plywood is a lightweight, high-performance panel solution that combines an engineered plywood 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 Lightweight 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 caravans and recreative vehicles (RVs) for weight-conscious design. 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	Engineered Lightweight Plywood
Construction	Advanced PUR reactive hotmelt system

Property	Specification	Test Method
Physical & Dimensions		
Density	450 kg/m3	EN 323
Board Length	2400mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	17mm nominal	EN 324-1
Board Weight	8kg/m2	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	≤ 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
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