

TECHNICAL DATA SHEET (TDS)

IWOOD PREFINISHED TIMBER VENEER PANELS FOR JOINERY, CABINETS & ARCHITECTURAL INTERIORS REVISION DATE: APRIL 2026 (VERSION 1.0)

1. PRODUCT DESCRIPTION

iWood panels consist of real timber veneer applied to high-performance substrates and finished with a factory-applied 6-layer UV-cured matte polyacrylate coating (<5% gloss).

The veneer features a distinctive Crown Cut Random Mis-Matched layout with a wire-brushed texture for enhanced tactility and light interaction. Panels are supplied fully prefinished — no on-site sanding, staining, or coating required.

2. AVAILABLE SPECIES

- Tasmanian Oak
- Spotted Gum
- Blackbutt (Natural Feature Grade)
- Blackwood
- American White Oak (Natural)
- American White Oak (Dark)
- American Walnut

3. PANEL CONSTRUCTION & DIMENSIONS (CARPENTRY/JOINERY PANELS)

- **MR FOSB Core:** 2745 × 1220 × 19 mm (Grade A Face, DGB Back)
- **MR MDF Core:** 3050 × 1220 × 19 mm (Grade A Face, DGB Back)
- **Edge Banding:** 1 mm Hybrid ABS coordinating edge banding (22 mm / 29 mm / 42 mm supplied separately)

4. FINISH SYSTEM

Texture: Wire-brushed real timber veneer

- Coating:**
- 6-layer UV-cured matte polyacrylate (<5% gloss)
 - Ultra-low VOC
 - High scratch and micro-abrasion resistance
 - Applied via precision rolling with intermediate curing

Fire & Emissions: Low-formaldehyde substrates (see certifications below)

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5. PERFORMANCE CHARACTERISTICS

- **Durability:** Excellent scratch and wear resistance for interior joinery applications.
- **Stability:** MR-rated cores suitable for humid interior environments (kitchens, bathrooms, commercial).
- **Acclimatisation:** Required 48 – 72 hours at 18 – 25 °C / 40 – 60% RH.
- **Movement:** Allow 5–8 mm expansion gaps at perimeters.
- **Maintenance:** Low — wipe with damp cloth. (see separate Care Guide)

6. RECOMMENDED APPLICATIONS

- Cabinetry and joinery
- Feature walls and doors
- Commercial fit-outs (retail, hospitality, offices)
- Premium residential interiors
- **Not suitable for:** Exterior use, wet areas with direct water exposure, or floors

7. CERTIFICATIONS & COMPLIANCE

- **PEFC Chain of Custody:** Responsible sourcing
- **EPA TSCA Title VI:** Formaldehyde emissions (MDF)
- **CARB Phase 2:** Formaldehyde emissions (Particle Board where applicable)
- Low-VOC coatings (MSDS available)

8. PACKAGING & HANDLING

- Panels supplied flat-packed on pallets with protective covering
- Store flat, away from direct sunlight and moisture

9. WARRANTY

7-year limited warranty against manufacturing defects when stored, handled, and installed in accordance with iWood's Installation Guide and Care & Maintenance Guide.

iWOOD