

Technical Data Sheet – 18mm Riva Plywood

Product Overview

Riva plywood is manufactured exclusively with peeled veneers from cloned eucalyptus. This 100% cloned eucalyptus composition provides exceptional mechanical strength, superior dimensional stability, and excellent adhesion performance for coatings.

A key technical advantage is its multi-ply construction: all internal layers are made of thin veneers with an average thickness of 1.5 mm, ensuring uniformity and enhanced structural integrity.

All sheets are fully calibrated and sanded, delivering a perfectly flat, smooth surface suitable for coating applications or for direct use in visible components.

Panel Composition

- **Face and Back:** Eucalyptus
- **Core:** Eucalyptus
- **Glue:** Phenolic resin (for exterior use) / Zero-formaldehyde adhesive (for interior applications)

Pressing Parameters

- **Pressure:** 15 kg/cm²
- **Temperature:** 125 °C
- **Press Time:** 20 minutes

Construction Details (18mm Panel)

- **Total Plies:** 13
- **Face & Back:** 2.0 mm total (2 layers)
- **Longitudinal Layers:** 1.3 mm (5 layers)
- **Transverse Layers:** 1.5 mm (6 layers — resin-treated veneers)

Termite Treatment

Termite-resistant additive is incorporated directly into the resin during assembly.

- **Dosage:** 1% of pure product added to the resin total.

Dimensions & Tolerances

- **Length:** 2500 mm (98.4") — ± 5.0 mm
- **Width:** 1250 mm (49.2") — ± 5.0 mm
- **Thickness:** 18 mm (¾") — ± 0.30 mm
- **Density:** 620–680 kg/m³

Grading Standards

Panels are graded **A/B** according to vendor's internal quality standards.
