

# Plywood Material Data Sheet

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## Material Overview

Andalusia's plywood products and systems are fabricated using Garnica premium lightweight panels, featuring a high-performance poplar core and a real wood veneer face. Commonly specified with maple or birch veneers, Garnica panels offer a balance of strength, stability, and visual quality for architectural interiors. Ideal for CNC fabrication, edge detailing, and clean finishing, these panels are used in ceiling systems, wall panels, and feature elements.

## Technical Data

- Material: Garnica Plywood with maple or birch veneer
- Core: Lightweight poplar (plantation-grown)
- Veneer Thickness: ~0.6mm (maple or birch)
- Panel Thickness: 3/4" (19mm) standard; custom thicknesses available
- Panel Dimensions: Custom sizes available
- Fire Rating: ASTM E84 Class A or B (with Andalusia finish system)
- Weight: ~1.8–2.2 lbs/sf depending on configuration
- Surface Finish: Clear coat, stain, or paint (water-based, low-VOC)
- Applications: Ceiling slats, panels, feature walls, and custom furniture-grade elements

## Finishing System

Andalusia offers a variety of standard stain options. Garnica panels are finished in-house using Andalusia's low-VOC, water-based system. Clear coats highlight the natural wood grain, while stains and paints offer project-specific customization. All finishes are applied and sealed for commercial durability and fire performance.

## Sustainability

Garnica plywood uses fast-growth plantation poplar sourced from sustainably managed forests

Available with FSC® certification upon request

Formaldehyde-free (NAF) glue options

Water-based finishing system is non-VOC and indoor air quality compliant

Contributes to LEED credits under MR and EQ categories

Note: Other plywood solutions are available based on application.

For questions, please contact us at [hello@andalusia.design](mailto:hello@andalusia.design) or visit our website at [andalusia.design](http://andalusia.design).