

MDF Material Data Sheet

Material Overview

Andalusia's MDF products and systems are fabricated using Ranger Board, a premium, furniture-grade medium-density fiberboard (MDF) known for its smooth surface and excellent machining properties. Ranger Board MDF is ideal for precision CNC routing and finishing, making it a versatile solution for ceiling, wall, and custom architectural applications. It is manufactured using sustainable practices and provides a stable, uniform substrate for commercial interiors.

Technical Data

- Material: Ranger Board MDF (medium-density fiberboard)
- Thickness: 3/4" (19mm) standard; custom thicknesses available
- Fire Rating: ASTM E84 Class A or B (with Andalusia finish system)
- Panel Dimensions: Varies by product
- Weight: ~2.7 lbs/sf (13.2 kg/m² for 3/4")
- Surface Finish: In-house sealed and top-coated with non-VOC, water-based paint
- Formaldehyde: CARB Phase 2 compliant / No Added Urea-Formaldehyde (NAUF) core available
- Applications: Coffered ceiling edges, feature panels, architectural millwork, and signage

Finishing System

Andalusia offers a variety of standard color options. All MDF components are sealed and finished in-house using Andalusia's low-VOC, water-based paint system. This system enhances fire performance, surface durability, and color consistency. Finishes include solid colors, clear sealers, and specialty coatings upon request.

Sustainability

Ranger Board MDF is manufactured with 100% pre-consumer recycled wood fiber.

CARB Phase 2 compliant / NAUF options available

Water-based, non-VOC finishing system

Contributes to LEED credits under MR and EQ categories

Note: Other MDF solutions are available based on application.

For questions, please contact us at hello@andalusia.design or visit our website at andalusia.design.