

AJANTA BOARD

PREMIUM HIGH-DENSITY HARDBOARD & ENGINEERED PANELS

High-Density Hardboard Panels

Discover unparalleled strength, consistency, and versatility with **Ajanta Board Premium Hardboard**. Manufactured using advanced wetpress wood fiber technology, our panels are engineered to meet the highest industrial and commercial benchmarks. With an incredibly smooth front surface and an ultra-tough structural profile, Ajanta Board is the preferred choice for demanding packaging, furniture backing, automotive trim, and architectural modeling applications.

Each panel undergoes an eco-friendly compression process that fuses natural wood fibers under extreme heat and pressure, yielding exceptional internal bond strength without the use of harsh synthetic resins or formaldehydes.

Key Features

- **Superior Density & Strength:** High-density fiber core resists cracking, splitting, and warping under heavy loads.
- **Immaculate Smooth Finish:** A perfectly smooth, homogenous face layer makes it excellent for paint laminates, veneers, or clean routing.
- **Eco-Friendly & Sustainable:** 100% biodegradable and sustainably sourced wood fiber matrix with ultra-low volatile organic compound emission.



Front Profile Presentation

- **Dimensional Stability:** Uniform thickness and balanced moisture resistance ensure clean cuts and stable long-term performance.

Multi-Angle Technical Gallery

Our industrial panels are closely monitored throughout production to guarantee flat, stable surfaces and high edge-retention across all batch sizes.



Side isometric view demonstrating perfect flatness and consistent structural thickness.



Cross-sectional view of stacked boards highlighting uniform edge density and fine wood fiber compression.



Top-down view displaying the homogenous surface texture and raw earth-toned finish.

Technical Specifications

Product Composition	High-Density Interlocking Refined Wood Fibers (Wetpress Process)
Density Range	950 kg/m³ – 1050 kg/m³ (Premium Hardboard Class)
Standard Thicknesses	2.5mm, 3.2mm (1/8 inch), 4.8mm (3/16 inch), 6.0mm
Moisture Content & Absorption	4% - 7% out of press; Optimized for minimized hygroscopic expansion
Compliance & Emissions	CARB Phase 2 Compliant, FSC Certified Recycled Sourcing, Formaldehyde-Free

For wholesale distributorships, custom dimensional requests, or detailed industrial bulk quotes, please contact the Ajanta Board Commercial Division.