

Technical Data sheets

Flexible Plywood – Artisan Flexible Plywood

1. Product Description

Flexible Paulownia Plywood is a lightweight, bendable plywood panel made from sustainably sourced Paulownia (Paulownia tomentosa) wood. Designed specifically for use in curved or contoured applications, it is ideal for architectural interiors, furniture design, cabinetry, and exhibition setups.

2. Key Features

- Lightweight and easy to machine
- Exceptional flexibility for curved surfaces
- Stable, warp-resistant core

3. Available Sizes & Thicknesses

Size (ft)	Size (mm)	Available Thicknesses
8' x 4'	2440 mm x 1220 mm	3 mm, 5 mm, 8 mm
4' x 8'	1220 mm x 2440 mm	3 mm, 5 mm, 8 mm

Note: Flex direction can be specified as either long grain or cross grain based on sheet orientation.

4. Technical Specifications

Property	Specification
Core Material	100% Paulownia
Face/Back Veneer	Paulownia
Glue Type	EN 636-1 MR / E0
Plywood Type	Flexible (Long-grain or cross-grain)
Bending Radius	3mm = 30mm 5mm = 50mm 8mm = 80mm

Tolerance (Thickness)	±0.5 mm
Tolerance (Length & Width)	±2.0 mm
Density	280–320 kg/m ³
Moisture Content	8–12%
Surface Finish	Sanded

5. Applications

- Curved furniture and joinery
- Decorative and acoustic wall panels
- RV, yacht, and custom vehicle interiors
- Exhibition booths and shopfitting
- Interior cladding and ceiling panels

7. Storage & Handling Instructions

- Store flat in a dry, well-ventilated area
- Protect from excessive moisture or heat
- Acclimate panels before installation
- Cut with sharp, fine-tooth blades to prevent splintering

8. Packaging

- Palletised with base board, bearers and when applicable shrink wrapped.