

## Technical Data sheets

### Flexible Plywood – Artisan Flexible Plywood

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#### 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.

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#### 2. Key Features

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

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#### 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)
	3mm = 30mm
Bending Radius	5mm = 50mm
	8mm = 80mm

<b>Property</b>	<b>Specification</b>
<b>Tolerance (Thickness)</b>	±0.5 mm
<b>Tolerance (Length &amp; Width)</b>	±2.0 mm
<b>Density</b>	280–320 kg/m <sup>3</sup>
<b>Moisture Content</b>	8–12%
<b>Surface Finish</b>	Sanded

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## **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
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## **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
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## **8. Packaging**

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