

Miro's Structural Hardwood Plywood is a high strength, exterior grade panel with excellent stability and load-bearing properties. Designed to resist warping and bending it is the ideal choice for structural use in roofing, flooring and wall sheathing.



Certifications	<ul style="list-style-type: none"> <li>• FSC 100%</li> <li>• ISO 9001</li> <li>• CE2+/UKCA</li> </ul>
Species	<p><b>Core</b></p> <ul style="list-style-type: none"> <li>• Full hardwood core</li> <li>• Eucalyptus spp, Acacia mangium, Gmelina arborea</li> </ul> <p><b>Face</b></p> <ul style="list-style-type: none"> <li>• Cross-grained Eucalyptus or Gmelina face with glue joints</li> </ul>
Panel Construction	<ul style="list-style-type: none"> <li>• 13/11/9/7/5 plies</li> <li>• <math>\geq 620\text{kg/m}^3</math></li> </ul>
Bonding and Emissions	<ul style="list-style-type: none"> <li>• Bonding EN 314-2: Class 3 (WBP, phenolic glue)</li> <li>• Formaldehyde Release EN 717-2: E1</li> </ul>
Standard Sizes	<ul style="list-style-type: none"> <li>• Width: 1,220mm or 1,250mm</li> <li>• Length: 2,440mm or 2,500mm</li> <li>• Thickness: 21mm/18mm/15mm/12mm/9mm</li> </ul>
Size Tolerances	<ul style="list-style-type: none"> <li>• Width/Length: +/- 1.0mm per meter</li> <li>• Squareness: +/- 1.0mm per meter of diagonal length</li> <li>• Thickness: +/- 5% of thickness.</li> </ul>
Surface and Performance	<ul style="list-style-type: none"> <li>• Sanded short-core face (eucalyptus/gmelina) with putty repair</li> <li>• EN636-2S, achieves EN636 3S with suitable coating and edge-sealing</li> </ul>
Mechanical Properties (18mm)	<p><b>Parallel to grain – F30/E90</b></p> <ul style="list-style-type: none"> <li>• Min. bending strength (MOR): 45N/mm<sup>2</sup></li> <li>• Mean modulus of elasticity (MOE) : 8100N/mm<sup>2</sup></li> </ul> <p><b>Perpendicular to grain – F30/E50</b></p> <ul style="list-style-type: none"> <li>• Min. bending strength (MOR): 45N/mm<sup>2</sup></li> <li>• Mean modulus of elasticity (MOE): 4,500N/mm<sup>2</sup></li> </ul>
Packaging	<ul style="list-style-type: none"> <li>• Packed on pallets with metal/plastic straps, suitable for forklift loading</li> <li>• Min 36m<sup>3</sup> per 40ft container</li> </ul>







