



World Panel Products Inc

www.worldpanel.com

Okoume Marine Plywood

High quality **plywood** produced with 100% veneers of the tropical hardwood Okoume, specially manufactured to provide durability and longevity. Its physical characteristics are very stable and can withstand exposure to severe weather conditions for prolonged periods of time.

Performances and applications

The physical properties of selected Okoume veneers, combined with waterproof gluing AW 100 and high standards manufacturing, result in extra durability, suitable for marine and exterior uses in industrial (shipbuilding, road and rail vehicles manufacture) and building (exterior joinery, carpentry, shutter boards, exterior basements, balustrades, riverside panelling) applications.

Technical Specifications

General properties and tolerances (ex factory)

Thickness: 2.1 3 4 5 6 8 10 12 15 18 20 22 25 30 35 40 mm (custom thickness available upon request)

Standard sizes: 2500 X 1220/1250 mm (**whole piece face & back**), 2500 X 1830 mm, 3100 X 1530 mm, 3100 X 1830 mm (**spliced faces allowable on face & back**)

Squareness: $\pm 0.25\%$ of the length of the diagonal

Moisture content: between 6% and 10%

Density: 500 kg/cbm $\pm 10\%$

Other properties

Glue line: Water and waterproof gluing using either Melamine Urea Formaldehyde (MUF) or Phenol Formaldehyde (PF) resins.

Face: They present a solid surface that is free from open defects. Face veneers are free of knots other than occasional sparse "sound pin" knots. The veneers are reasonably free from irregular grain. Face veneers are B/BB and their thickness is between 1.0 mm and 1.5 mm.

Core Veneers: They have the same basic requirements as face veneers, except that small splits may occur, and there is no limit on the number of pin knots or edge joints. Core veneer thickness is between 1.5 mm and 3.0 mm.

Finishing: All boards are sanded on both sides equally.

Performance characteristics and standards compliance

Standards: Meets the requirements of EN 13986:2004+A1 and BS 1088-1:2003.

Bonding quality: Class 3 (EN 314-2)

Durability (humidity): Class 3 - External use as non-structural components (EN 636)

Formaldehyde class: E1

Reaction to fire: class D-s2, d0

Certifications

CE Lloyd's Register Type Approval No. 05/00052 KOMO No.32711/15 FSC C007917 ISO 9001:2008

