

Reinforced

High-strength plywood

Reinforced is a multipurpose high quality plywood range selected for various applications where strength and resistance are essential.

Its multiply composition is perfect for exposed edges in artistic furniture or fixtures.

Plywood panel with exceptional surface quality, uniform finish, and great stability. Reinforced core with high-quality veneers that stand out for their exceptional bond quality, and properties of uniformity and ease of machining.

PART 1 - GENERAL

1. Abbreviation and acronyms

- a) CARB: California Air Resources Board
- b) TSCA: Toxic Substances Control Act
- c) PEFC: Programme for the Endorsement of Forest Certification
- d) FSC®: Forest Stewardship Council®
- e) LEED®: Leadership in Energy and Environmental Design
- f) EN: European Norms

2. References Standards

- a) USGBC LEED – Green Building Rating System™

3. Submittals Procedures

- a) Product Data: Multipurpose high quality plywood
- b) Informational
 - i. Material Certificates and Tests available for the product:
 - i. CARB Compliance: Phase 2 formaldehyde emissions certifications
 - ii. US EPA TSCA Title VI certification
 - iii. FSC® certification (available as FSC Mix. FSC-C116880).
 - iv. PEFC certification (available as PEFC certified. AEN-PEFC-COC-0016)

PART 2 - PRODUCT

1. Description

The high-strength mixed hardwood core plywood is a versatile, high-quality option for applications that require strength and durability. It features a mixed hardwood core sourced from European fast-growing tree farms, combining poplar and eucalyptus globulus. This plywood offers exceptional surface quality, a uniform finish, and excellent stability, thanks to its reinforced core with high-quality veneers. It is available in different variants such as Globulus Maple LG, Globulus Birch LG, Globulus Poplar LG, and Globulus Poplar SG, each tailored for specific decorative or industrial applications.

Exceptional qualities:

- a) Multipurpose, high strength panel.
- b) Exceptional physical properties: Stable, uniform and easily machinable.
- c) Multi-layer edges: Ideal for applications with visible edges.
- d) Surface uniformity: Light, smooth and even surface
- e) Responsibility. CARB Phase 2, TSCA Title VI.
- f) Sustainability. Certified fast-growing European tree farms.

2. Properties

- a) Glue Type: Interior
- b) Emissions: CARB Phase 2 / US EPA TSCA Title VI certified
- c) Face Grade: Rotary cut C-2 for Birch and Maple and B/BB & BB/BB for poplar faced.

3. Technical features

- a) Density – 38.4 Lb/ft³ (EN 323)
- b) MOE – 1,338, 263-813,661 [long-grain – short grain] (EN 789)
- c) Resistance of bending (psi) – 7,629-4,220.6 [long-grain – short grain] (EN 789)
- d) Moisture content - 6-14 % (EN 322)

4. Available sizes

- a) Length and width: 48.5" x 96.5"
- b) Thicknesses: 9, 12, 15, 18, 22, 25, 30 (mm)

5. Materials:

- a) Composition:
 - i. Face: maple
 - ii. Core:
 1. Short grains – poplar
 2. Long grains - globulus
 - iii. Back face: maple
- b) *UV finish available on demand for Birch and Maple.