# The Plywood Specifiers Guide

Lightweight

POPLAR PLYWOOD

PANGUANETA

PLYWOOD FOR LIFE





Environmental & Technical Assurance





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# POPLAR PLYWOOD



## LIGHTWEIGHT PLYWOOD

**A unique range of the very highest quality poplar plywood. Sustainable, lightweight, and extremely versatile for applications across many industries**

Through a close partnership with Italian plywood manufacturer Panguaneta, Hanson Plywood are able to offer a unique and extensive range of lightweight poplar plywood products.

The accurate selection of the raw material, cultivated in specific areas of Northern Italy, is at the base of the Panguaneta brand. Only logs that comply to the highest standards enter the production line.

**Environmental Product Declaration (EPD®)**

EPD® certification ensures that Panguaneta transparently manages its environmental impact over the entire lifecycle and is relevant to building certification bodies and protocols, such as Leadership in Energy and Environmental Design (LEED) and BREEAM.

EPD® provides essential information on environmental performance, assisting architects and designers in choosing the best products to meet the strictest environmental standards based on the Life Cycle Assessment (LCA).

Classic Range

Superior Range

Project Range

Fire Range

ENVIRONMENTAL & TECHNICAL PRODUCT DATA SHEET

POPLAR PLYWOOD
PANGUANETA



# POPLAR THROUGHOUT

## Poplar construction giving significant weight saving and very high quality faces

Poplar throughout offers the user a lightweight, light colour, high homogeneity with a barely perceptible grain. Sustainable and extremely versatile for applications across many industries.

## SPECIFICATION DETAIL

| | |
|---|---|
| **Thickness Range** | 3mm-30mm |
| **Dimensions (mm)** | 2440 x 1220 ◆ 2500 x 1220 ◆ 3120 x 1220 ◆ 3050 x 1220 |
| **Average Density** | 400 kg/m³ ± 10% |
| **Product Classification** | BS EN 636-1 |
| **Glue Bond** | BS EN 314-2 Class 1 |
| **Formaldehyde Class** | E1 |
| **Moisture Content** | 8%-13% |
| **Veneers** | High quality face and core |
| **Face Grades** | AB/AB, B/BB |
| **Chain of Custody Status** | PEFC 100% (FSC® available on request) |
| **EPD (Environmental Product Declaration)** | AVAILABLE (CLICK HERE) |
| **DOP (Declaration of performance)** | Available on request |
| **CE Marked** | BS EN 13986 |
| **Material Safety Data Sheet** | Available on request |

## APPLICATIONS

- LAMINATING/VENEERING
- COMMERCIAL/LEISURE VEHICLES
- FURNITURE
- BOAT/YACHT BUILDING
- EXHIBITION/DISPLAYS
- SHOP/BAR FITTING
- CONSTRUCTION/JOINERY
- LASER CUTTING
- TOY/MODEL MAKING
- THEATRE SETS



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# FIRE-DESIGN

## Pressure impregnated fire-retardant treated lightweight poplar plywood designed to be used in interior applications

Pangua-Fire is a fire retardant plywood classified B-s1,d0 according to European Standards EN 13501-1. An engineered, innovative and modern treated material, to improve safety and reduce the risk of fire.

Pangua-Fire meets the new market demands for passive protection against fire of building structures in general, for wall and/or ceiling applications.

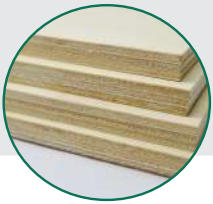
## SPECIFICATION DETAIL

| | |
|---|---|
| **Thickness Range** | 6mm-40mm |
| **Dimensions (mm)** | 2500 x 1220 ◆ 3100 x 1530 |
| **Average Density** | 400 kg/m$^3$ ± 10% |
| **Product Classification** | BS EN 636-1 |
| **Formaldehyde Class** | E1 |
| **Fire Specification** | Euro Class B - s1,d0 |
| **Face Grade** | B/BB |
| **Chain of Custody Status** | PEFC™ 100% (FSC® available on request) |
| **DOP (Declaration of Performance)** | Available on request |
| **CE Marked** | BS EN 13986 |
| **Best Practice Document** | AVAILABLE (CLICK TO VIEW) |
| **Material Safety Data Sheet** | Available on request |

## APPLICATIONS

- EXHIBITION/DISPLAYS
- COMMERCIAL/LEISURE VEHICLES
- SHOP/BAR FITTING
- CONSTRUCTION/JOINERY
- THEATRE SETS

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ENVIRONMENTAL & TECHNICAL PRODUCT DATA SHEET

POPLAR PLYWOOD

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# MULTI-VENEER

| Size | Number of veneers |
|---|---|
| 9mm | 7 |
| 12mm | 9 |
| 15mm | 11 |
| 18mm | 13 |
| 25mm | 17 |
| 30mm | 19 |
| 40mm | 30 |

Multi-veneer poplar plywood featuring high quality edge detailing and significant weight saving

Multi-Veneer poplar plywood is available in a number of thicknesses, poplar throughout offers the user a light weight, light colour, high homogeneity with a barely perceptible grain.

## SPECIFICATION DETAIL

| | |
|---|---|
| **Thickness Range** | 9mm-40mm |
| **Dimensions (mm)** | 2440 x 1220 ◆ 2500 x 1220 ◆ 3100 x 1530 ◆ 3120 x 1870 |
| **Average Density** | 400 kg/m$^3$ ± 10% |
| **Product Classification** | BS EN 636-1 |
| **Glue Bond** | BS EN 314-2 Class 1 |
| **Formaldehyde Class** | E1 |
| **Moisture Content** | 8%-13% |
| **Veneers** | High quality face and core |
| **Face Grades** | B/BB |
| **Chain of Custody Status** | PEFC 100% (FSC® available on request) |
| **DOP (Declaration of Performance)** | Available on request |
| **CE Marked** | BS EN 13986 |
| **Material Safety Data Sheet** | Available on request |

## APPLICATIONS

- LAMINATING/VENEERING
- COMMERCIAL/LEISURE VEHICLES
- FURNITURE
- BOAT/YACHT BUILDING
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- SHOP/BAR FITTING
- CONSTRUCTION/JOINERY
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# FORTE

Forte plywood is an innovative product which offers improved durability and resistance to wood decay agents

Plywood panel made exclusively of poplar veneers, modified with an innovative impregnation treatment that makes the entire panel exceptionally durable to the attack of wood decomposing agents and most of the factors responsible for the degradation of wood.

For application in a wide variety of sectors which demand high performance and improved durability characteristics.

## SPECIFICATION DETAIL

| | |
|---|---|
| **Thickness Range** | 9mm-30mm |
| **Dimensions (mm)** | 2500 x 1200 |
| **Average Density** | 450 - 500 kg/m³ ± 10% |
| **Product Classification** | BS EN 636-3 |
| **Glue Bond** | BS EN 314-2 Class 3 |
| **Formaldehyde Class** | E1 |
| **Veneers** | High quality face and core |
| **Chain of Custody Status** | PEFC 100% (FSC® available on request) |
| **DOP (Declaration of Performance)** | Available on request |
| **CE Marked** | BS EN 13986 |
| **Material Safety Data Sheet** | Available on request |

## APPLICATIONS

- FURNITURE
- BOAT/YACHT BUILDING
- EXHIBITION/DISPLAYS
- SHOP/BAR FITTING
- CONSTRUCTION/JOINERY
- THEATRE SETS



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# PUREGLUE™

## Poplar plywood manufactured using a non-toxic, formaldehyde-free glue for improved air quality

Pure glue poplar plywood is constructed using an innovative new bonding system as the result of a collaboration between Panguaneta SPA and Solensis LLC. The product is manufactured using Soyad™ technology; an environmentally-friendly adhesive that is formulated using a proprietary cross-linking resin and natural soy flour. This provides a strong and moisture resistant bond with no added Formaldehyde.

## SPECIFICATION DETAIL

| | |
|---|---|
| **Thickness Range** | 3mm-40mm |
| **Dimensions (mm)** | 2440 x 1220 ◆ 2500 x 1220 ◆ 3050 x 1220 |
| **Average Density** | 400 kg/m³ ± 10% |
| **Product Classification** | BS EN 636-1 |
| **Glue Bond** | BS EN 314-2 Class 1 |
| ***Formaldehyde Class** | NAF (No Added Formaldehyde) |
| **Veneers** | High quality face and core |
| **Face Grade** | B/BB |
| **Chain of Custody Status** | PEFC 100% (FSC® available on request) |
| **EPD (Environmental Product Declaration)** | AVAILABLE (CLICK HERE) |
| **DOP (Declaration of performance)** | Available on request |
| **LEED (Leadership in Energy & Environmental Design) Status** | Compliant |
| **Material Safety Data Sheet** | Available on request |

* Also suitable for projects requiring an E1 or CARB PHASE 2 Formaldehyde classification

## APPLICATIONS

- LAMINATING/VENEERING
- COMMERCIAL/LEISURE VEHICLES
- FURNITURE
- BOAT/YACHT BUILDING
- EXHIBITION/DISPLAYS
- SHOP/BAR FITTING
- CONSTRUCTION/JOINERY
- LASER CUTTING
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# MAPLE SUPERIOR

## Plywood constructed with outer faces of maple veneers with poplar comprising the inner layer

Maple Faced poplar plywood offers stability, ease of cutting and combines higher mechanical properties with the benefits of a lightweight panel.

Maple faced poplar plywood is manufactured in accordance with the European and International standards.

## SPECIFICATION DETAIL

| | |
|---|---|
| **Thickness Range** | 3mm-25mm |
| **Dimensions (mm)** | 2440 x 1220 |
| **Average Density** | 465 kg/m³ ± 10% |
| **Product Classification** | BS EN 636-1 |
| **Glue Bond** | BS EN 314-2 Class 1 |
| **Formaldehyde Class** | E1 (NAF available on request) |
| **Veneers** | High quality face and core |
| **Chain of Custody Status** | PEFC certified (FSC® available on request) |
| **DOP (Declaration of Performance)** | Available on request |
| **CE Marked** | BS EN 13986 |
| **Material Safety Data Sheet** | Available on request |

## APPLICATIONS

- AUTOMOTIVE
- MODULAR FURNITURE
- CABINET MAKING
- BOAT/YACHT BUILDING
- SHOP/BAR FITTING
- CONSTRUCTION / ARCHITECTURE / JOINERY



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# ILOMBA SUPERIOR

## Ilomba construction giving significant weight saving and very high quality faces

Hanson Ilomba Plywood is available in a number of thicknesses. Composed of Ilomba and poplar, Ilomba twin performs much the same as poplar throughout plywood with the added decorative quality of pink-hued, Ilomba face and back veneers.

## SPECIFICATION DETAIL

| | |
|---|---|
| **Thickness Range** | 3mm-40mm |
| **Dimensions (mm)** | 2500 x 1200 |
| **Average Density** | 400 kg/m³ ± 10% |
| **Product Classification** | BS EN 636-1 |
| **Glue Bond** | BS EN 314-2 Class 1 |
| **Formaldehyde Class** | E1 |
| **Moisture Content** | 8%-13% |
| **Veneers** | High quality face and core |
| **Face Grade** | B/BB |
| **Chain of Custody Status** | PEFC (FSC® available on request) |
| **DOP (Declaration of performance)** | Available on request |
| **CE Marked** | BS EN 13986 |
| **Material Safety Data Sheet** | Available on request |

## APPLICATIONS

- LAMINATING/VENEERING
- COMMERCIAL/LEISURE VEHICLES
- FURNITURE
- BOAT/YACHT BUILDING
- EXHIBITION/DISPLAYS
- SHOP/BAR FITTING
- CONSTRUCTION/JOINERY
- LASER CUTTING
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- THEATRE SETS



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# LASER LITE Plywood™

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## POPLAR THROUGHOUT

The very highest quality poplar plywood suitable for fine craft work and laser cutting

Laser Lite offers the user a light weight, light colour, high homogeneity with a barely perceptible grain. Sustainable and extremely versatile for applications across many industries.

## SPECIFICATION DETAIL

| | |
|---|---|
| **Thickness Range** | 3mm-6mm |
| **Dimensions (mm)** | 2500 x 1220 (or cut to size) |
| **Average Density** | 400 kg/m³ ± 10% |
| **Product Classification** | BS EN 636-1 |
| **Glue Bond** | BS EN 314-2 Class 1 |
| **Formaldehyde Class** | E1 |
| **Moisture Content** | 8%-13% |
| **Veneers** | High quality face and core |
| **Face Grades** | AB/AB |
| **Chain of Custody Status** | PEFC 100% (FSC® available on request) |
| **EPD (Environmental Product Declaration)** | AVAILABLE (CLICK HERE) |
| **DOP (Declaration of Performance)** | Available on request |
| **CE Marked** | BS EN 13986 |
| **Material Safety Data Sheet** | Available on request |

## APPLICATIONS

- LAMINATING/VENEERING
- COMMERCIAL/LEISURE VEHICLES
- FURNITURE
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# POPLAR PLYWOOD

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## Environment & Sustainability



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Panguaneta Poplar Throughout Plywood is PEFC certified, with FSC® available on request.

The poplar used is a very specific strain of the fast-growing I-214 Italian clone which is developed for the plywood industry and is harvested in Northern Italy on the banks of the River Po. The species is synonymous with environmental protection as it is known to improve the quality of air and water, protect the biodiversity of natural habitats and is a renewable and sustainable resource.

Panguaneta has implemented and plays a leading role in an exemplary programme for the sustainable development of the poplar industry in Italy; the '100% Poplar Made in Italy' label.

The company is also a member of the world organisation 'Pro-Populus' which is active in the promotion and environmental safeguarding of poplar trees.

Panguaneta does not make use of wood harvested from areas where traditions or civil rights have been violated or where there are ongoing armed conflicts. All timber found in Panguaneta Poplar Plywood is from areas that have not been illegally cultivated nor do they source from from natural areas converted into plantations with genetically modified trees (GMOs).

100% POPLAR MADE IN ITALY

**Contact our sales team for more information:**

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# Notes

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