



# ultralight poplar

**Ultralight sandwich panel with XPS core  
and 100% poplar plywood**

*Lightness that challenges the impossible*



- **ULTRALIGHT AND EXCEPTIONAL THERMAL INSULATION**
- **PERFECT DIMENSIONAL STABILITY MATCHED BY AN EXCELLENT RESULT IN ELASTICITY AND RUPTURE MODULES**
- **DEMANDING APPLICATIONS SUCH AS CARAVANS, FURNITURE AND DECORATION, DOORS, ROOFS, PANNELLING AND DIGITAL PRINTING**



## garnica

Challenge the ordinary

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## Ultralight sandwich panel with XPS core and 100% poplar plywood

*Lightness that challenges the impossible*

Finishes available:

HPL



### Product description:

Ultralight sandwich panel with an insulating XPS (extruded polystyrene) core combined with plywood that is made of 100% European poplar from sustainable plantations. Its light-coloured faces and premium-quality internal sheets make it ideal for painting, laminating/film coating and digital/screen printing.

Combining the excellent mechanical properties of Garnica plywood –lightness, stability and machinability– with an insulating and ultralight material such as extruded polystyrene produces a panel with improved performance.

Also available in decorative HPL –in different colours such as white, light grey and black– of exceptional beauty and resistance to impact and scratches.

**Glue Type:** Class 1 (interior) according to the rule EN 314-2

**Emission:** Class E1 according to the rule EN 13986. Plywood in Ultralight items is CARB Phase 2 and TSCA Title VI compliant.

**Quality faces:** BB/BB\*

\* B/BB faces also available on demand for digital printing

### Applications/Uses:

Specifically designed for applications seeking to lighten weight load, such as the caravan industry and the furniture and decoration trade, or where thermal insulation is especially important, such as doors, roofs or panelling.

Also ideal for applications seeking for a lightweight printing substrate such as displays, posters, stands and authentic advertising campaigns.



### Formats

Dimensions (mm): 2500x1220 | 3050x1220 | 3050x1300 | 3100x1530



12	15	18	22	24	25	26	28	30	32	38	40	50	60	Total thickness (mm)
4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	plywood
4	6	9	13	15	16	17	19	21	23	29	31	41	51	xps
4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	plywood

**312 284 227 205 191 184 179 168 160 152 133 120 110 97 density (kg/m³)\***

\* ± 5% Tolerance

HPL only available in 2440x1220 and 3050x1300 mm / 12 mm thickness only in 2500x1220.

Ultralight Poplar for digital printing only available in 2500x1220 (thicknesses: 12, 15, 18, 22, 25, 28 & 30 mm).

Formats may vary without notice. Please contact your local sales manager to check the availability in your region.



Certifications on demand:



CARB Phase 2 / TSCA Title VI

### Technical features

Total thickness (mm)	Composition (mm)	Weight per m²	Density (Kg/m³)	Face Screw Holding (N)	Moisture (%) Panel	MOE (N/mm²)		MOR (N/mm²)		Thermal performance	
						Long.	Perp.	Long.	Perp.	Thermal resistance "R" (m²·K/W)	Thermal transmit. "u" (W/m²K)
18	4.5 + 9 + 4.5	4.09	227	410	6-14	1500	2500	17	14	0.496	2.01

Wood is a natural material and as such is unique in appearance & so often has naturally occurring variations in colour, texture and grain pattern. The photographic reproductions used simply provide an example of a product's appearance & may not be representative of the full range of colour, texture and grain variations. The data provided in this product specification should be used solely as a guide & is of no contractual value. It is the responsibility of the acquirer to determine if the product is suitable for the required application, to ensure that both the place & form of use are appropriate & in accordance with the manufacturer's requirements & recommendations & is in line with current regulations.

\* Density: total thickness 18 mm (4.5 + 9 + 4.5 composition) ± 5% tolerance.

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