

ultralight

HIGH PERFORMANCE ULTRALIGHT INSULATING SANDWICH PANELS

EXCEPTIONAL LIGHTNESS
14.42-15.17
Lb/ft³

Density: total thickness 3/4" (4.5 + 9 + 4.5 sandwich) ± 5% tolerance



Excellent insulation

Excellent thermal and acoustic insulation, certified in accordance with UNE-EN ISO 10140-2:2011 standards.



Dimensional stability

Excellent results in terms of modulus of elasticity and modulus of rupture.



Ease in machining

Very easy to cut and sand with all types of tools: traditional, CNC, and shaper tools.



Quality XPS Core

High mechanical resistance, water tolerance, uniform seal, and cellular structure.



Ultra-lightweight

Specially designed for applications that are intended to reduce weight.



HPL Laminate finish

Available with a laminate finish in different colors and wood textures.

**NATUR
BIND™**

No-added formaldehyde technology

Naturbind™ by Garnica is a unique adhesive technology engineered using a no-added formaldehyde formula.

(Available for Ultralight Poplar and Ultralight Poplar HPL)

*Lightness that challenges
the impossible*

garnica

Challenge the ordinary



ultralight

HIGH PERFORMANCE ULTRALIGHT INSULATING SANDWICH PANELS

Ultralight sandwich panels are comprised of an insulating XPS core (extruded polystyrene), plywood panels made of European poplar from sustainable plantations, and a wide variety of finishes with exceptional surface quality.

Combining the excellent mechanical properties of Garnica plywood –lightness, stability, and ease in machining– with an ultralight insulating material like extruded polystyrene achieves a panel with superior performance.

Plywood



XPS



Plywood



Formats

| Dimensions (") | | 48.5 x 96.5 | | 48.5 x 120.5 | | 60.5 x 120.5 | |
|---------------------|---------|-------------|-----|--------------|-------|--------------|--|
| Ultralight Poplar | | ✓ | | ✓ | | ✓ | |
| Ultralight Duraply | | ✓ | | | | | |
| Total thickness (") | | 5/8 | 3/4 | 1 | 1 1/2 | 2 | |
| Composition (mm) | Plywood | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | |
| | XPS | 6 | 9 | 16 | 23 | 41 | |
| | Plywood | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | |



finish available upon request. Ask your local sales representative about dimensions and thicknesses.

Technical features

| Products | Total thickness (") | Weight (Lb/ft²) | Density (Lb/ft³) | Face screw holding (N) | Moisture Content (%) | MOE (N/mm²) | | MOR (N/mm²) | | Thermal performance | |
|--------------------|---------------------|-----------------|------------------|------------------------|----------------------|-------------|-------|-------------|-------|---------------------------------|-----------------------------------|
| | | | | | | Long. | Perp. | Long. | Perp. | Thermal resistance "R" (m²•K/W) | Thermal transmittance "U" (W/m²K) |
| Ultralight Poplar | 3/4 | 0.902 | 14.42 | 410 | 6-14 | 1500 | 2500 | 17 | 14 | 0.496 | 2.01 |
| Ultralight Duraply | 3/4 | 0.895 | 15.17 | 410 | 6-14 | 1500 | 2500 | 17 | 14 | 0.339 | 2.95 |

ultralight poplar

Ultralight sandwich panel with an XPS core and poplar plywood. Its light-colored poplar faces and premium quality inner sheets make this panel ideal for painting, laminating/films, and digital or screen printing.

Glue Type: Interior
Face grade: BB/BB

CARB Phase 2 / TSCA Title VI - NAF and PEFC Controlled Sources
Certifications on demand: PEFC Certified



ultralight duraply

Ultralight sandwich panel with an XPS core and durable plywood. The wood is treated through an innovative process that makes the entire plywood panel exceptionally durable and immune to attacks from fungi and insects in exterior applications.

Glue Type: Exterior
Face grade: BB/BB

CARB Phase 2 / TSCA Title VI and PEFC Controlled Sources
Certifications on demand: PEFC Certified



5 YEAR WARRANTY

5-year guarantee against delamination and fungal and xylophage insect attack
+ Info www.duraply.one



HPL

Ultralight Poplar and Ultralight Duraply are also available with a decorative HPL laminate finish—in a wide variety of uniform colors and wood textures—exceptionally beautiful and resistant to impact and scratching.



NATUR BIND™

NO-ADDED FORMALDEHYDE TECHNOLOGY

Ultralight Poplar and Ultralight Poplar HPL are made with **Naturbind™**, a unique adhesive technology developed without added formaldehyde.

Other decorative finishes in natural wood available on request.

ultralight

The Ultralight product line is perfect for a wide range of applications, especially those where lightness or thermal or acoustic insulation is particularly important, including exterior uses.

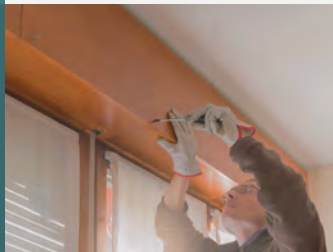
Mobility and Transportation:
camper van conversions,
interior furnishing for RVs,
and maritime industry



Interior decoration:
paneling, coverings, doors,
trim, and all types of
decorative coatings



**Interior furnishing
and DIY projects:**
cabinets, shelves, tables,
chairs, and any other
kitchen furniture



Advertising uses:
posters, signage, stands,
commercial establishments,
and billboards



Exterior uses:
Summer houses or
prefabricated buildings,
exterior and sound-proof
barriers and doors



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