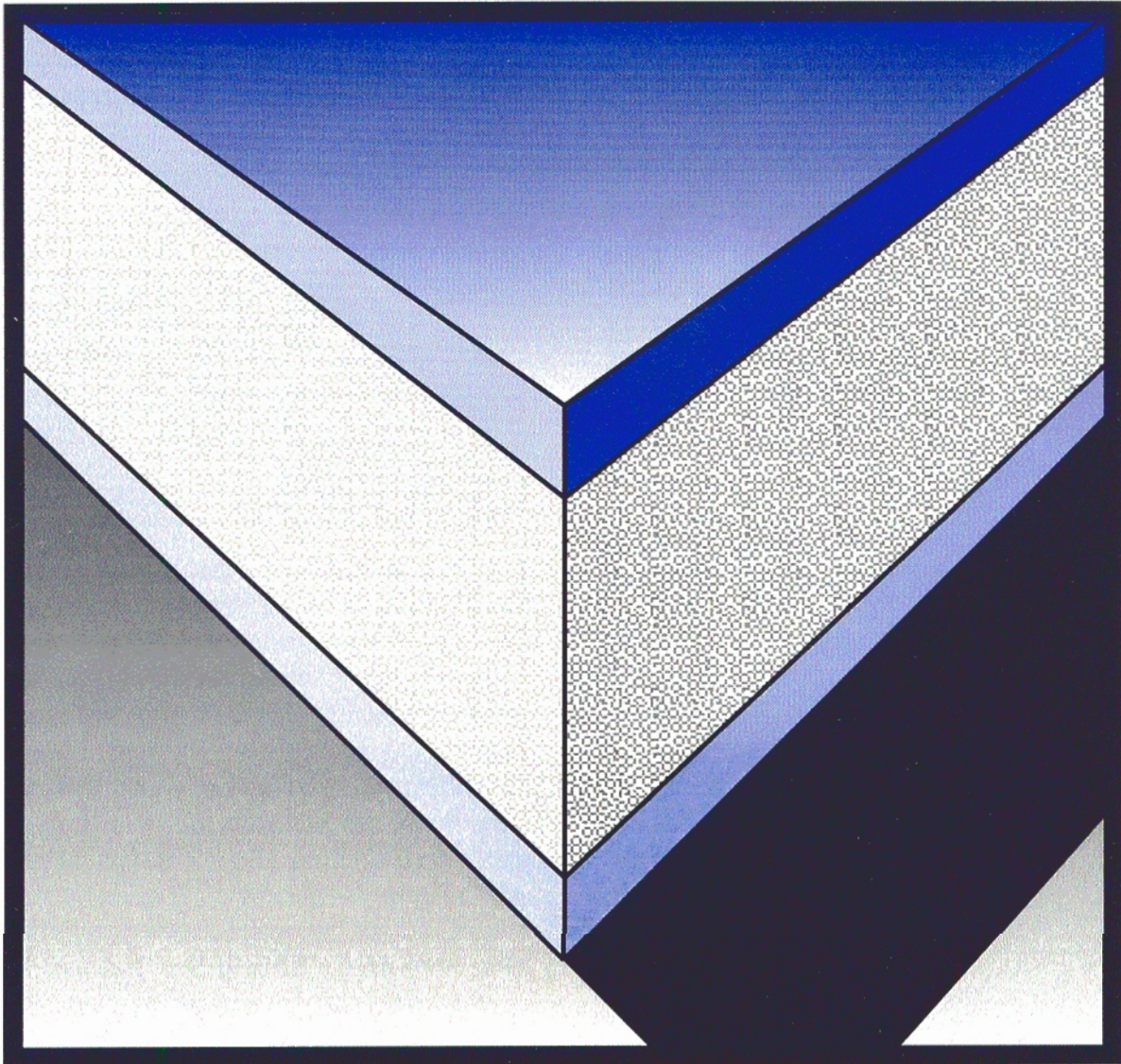




POLYDECKS® Roof and Wall Panels



Why Wait? - LAMINATE!

- Factory Laminated
- Long Term Performance
- Lightweight
- Energy Efficient
- "Ozone - Friendly"
- Cost Efficient

POLYDECKS® Roof and Wall Panels

Log & Rafter Construction

Polydecks® laminated roofing panels are high quality Expanded Polystyrene Foam Core Panels offering the convenience of a complete, one step roof system, ready for application of shingles or shakes. The one-piece components install directly to the rafters using spikes or nails depending on thickness required to reach specified R-value. Standard panels are 4' X 8' and include exterior oriented strand board (OSB) sheathing, the foam insulation and optional inside ceiling substrate.

Common choices for the optional exposed interior of the panels are Gypsum Board, T & G Paneling, Perlite and Wood Fiberboard. We also laminate a slip sheet using foil or paper.

The lamination of Polydecks is performed under ideal factory conditions ensuring quality control procedures. Factory laminated product is superior to field laminated systems and saves time and cost of field labor.

Expanded Polystyrene Foam Core

Expanded Polystyrene Foam Core (1.0# pcf density) Cellofoam® EPS insulation, as manufactured by Cellofoam North America Inc, is a modified expanded polystyrene. It is a rigid, foamed plastic with resilient closed cells that can be molded in a range of densities to meet special applications.

Cellofoam EPS provides each of the characteristics required for long term performance; permanent R-value, inherent water resistance, excellent physical strength and dimensional stability. Unlike many other foam products, EPS is "Ozone - Friendly". EPS is CFC, HCFC and formaldehyde free.

INSULATING PROPERTIES

EPS Foam Core	3 1/2"	5 1/2"	7 1/4"
R-factors* (at 75*)	14.05	21.75	28.49
(at 40*)	17.17	23.51	30.81

*calculated R-factors are for the composite panel including EPS and one sheet of 7/16" OSB.

LAMINATE SUBSTRATE

OSB	(7/16" Standard)
Perlite	3/8", 1/2", 5/8" also available
Plywood	
Gypsum Board	
Wood Fiberboard	

Polydecks laminated panels are suitable for walls, as well as roofs, of timber frame, post and beam, log and conventional structures. Built to spec with internal wiring channels and any combination of interior/exterior laminate, they offer a cost effective alternative to tedious framing between structural members. Laminated wall panels reduce cooling and heating cost because they form a solid thermal envelope around the structure, uninterrupted by studs, sills or headers. This substantially reduces air infiltration compared with conventional construction methods. Utilizing the optional foil inside face which acts as a vapor barrier, the wall panel reduces condensation. This adds up to energy efficiency and year round comfort.

WARNING: Like many construction materials, expanded polystyrene insulation is combustible. It should not be exposed to flame or other ignition sources. Consult installation instructions and current model building code requirements before use.

The performance data herein reflects Cellofoam North America Inc's expectation based on tests conducted in accordance with recognized standard methods. The sale of these products shall be subject to the Terms and Conditions of Sale, INCLUDING those LIMITING WARRANTIES, as set forth in Cellofoam North America Inc's invoices. No Agent, employee or representative of Cellofoam North America Inc or its subsidiary or affiliated companies is authorized to modify this disclaimer.



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