

LEGERBOARD



DATA SHEET LEGERBOARD STRUCTURAL INSULATING PANEL



DESCRIPTION

LEGERBOARD panels are composed of Type II, expanded polystyrene (EPS) and a 7/16" oriented strand board (OSB). The expanded polystyrene (EPS) provides a thermal envelop for the structural wall, whereas the OSB sheet reinforces the wall against diagonal distortion.

USES

LEGERBOARD panels are designed to break the thermal bridge between the structure and the exterior finish and conform to the National Building Code. Their solidity facilitates the installation of exterior finishings.



INFORMATION

Dimensions

- > 4' x 8' x 1 5/16" (INSULATION 7/8" + OSB 7/16" R-4)
- > 4' x 9' x 1 9/16" (INSULATION 1 1/8" + OSB 7/16" R-5)
- > 4' x 9' x 1 13/16" (INSULATION 1 3/8" + OSB 7/16" R-6)

Insulation conforms to following standards

- > CCMC 12836-L
- > CAN/ULC-S701

RECOMMENDATIONS

Allow for a 1/8" space at the ends and edges of the panel. Nail every 6" o.c. along the panel's ends and edges and every 12" o.c. on the intermediate supports. Use 8d fluted nails with a minimum length of 2 1/2".

PHYSICAL PROPERTIES

Thermal resistance 1 5/16"	R Value	4
Thermal resistance 1 9/16"	R Value	5
Thermal resistance 1 13/16"	R Value	6
Compressive strength	KPA (psi)	110 (16)
Shear strength (OSB)	Kg/m Lb/pi	379 (255)
Water absorption	% per volume	4%
Vapour permeability (tested with OSB L-P, Norbord and Weyerhaeuser by the AIR INS # AS-00775-A laboratories)	Ng/Pa.s.m ² (perms)	> 60