



DATA SHEET LEGERCLAD



DESCRIPTION

Legerclad

Type II Legerlite shiplap insulation panel with integrated TYPAR air barrier membrane for exterior walls.

PRODUCT DATA

Thickness	Value	R	RSI
1"	4,05	0,71	
1 1/2"	6,05	1,06	
2"	8,1	1,42	
2 1/4"	9,1	1,6	
2 1/2"	10,1	1,77	
3"	12,1	2,13	
4"	14,1	2,48	

ADDITIONAL INFORMATION

- > Legerlite Type II in compliance to can/ulc-s701 standards
- > TYPAR air barrier
- > Permanent R-value
- > High compressive strength
- > Recyclable
- > No CFCs or HCFCs
- > Various sizes available
- > CCMC Number: # 13510-R

Other sizes available on request.

PHYSICAL PROPERTIES	IMPERIAL	METRIC	ASTM TEST	LEGERCLAD
Thermal resistance: R-value at 75°F (24°C) for 1 in (25 mm) thickness	$\frac{\text{hr.ft}^2\text{°F}}{\text{BTU}}$	$\frac{\text{m}^2\text{°C}}{\text{W}}$	C-518 C-177	4.05 min. (0.71 min.)
Air permeability	-	L/s.m ²	CNB 5.4.1.2	0.0032
Compressive strength (min.) at 10% distortion	psi	(kPa)	D-1621	16 (110)
Flexural strength (min.)	psi	(kPa)	C-203	35 (240)
Dimensional stability: % of linear change (max.)	%	%	D-2126	≤ 1.5
Coefficient of thermal expansion (max.)	in/in/°F	(mm/mm/°C)	D-696	3.5x10 ⁻⁵ (6x10 ⁻⁵ C ⁻¹)
Water vapor permeability [25 mm thickness]	-	(ng/Pa.s.m ²)	E-96	> 60
Water absorption (max.)	%	%	D-2842	4
Effective temperature range: > Continuous > Intermittent	°F °F	(°C) (°C)	- -	167 (75) 180 (82.2)
Flame spread rating	-	-	(CAN/ULC S102.2 M)	< 250
Smoke developed	-	-	(CAN/ULC S102.2 M)	< 410
Capillarity	-	-	-	Nil

TYPE II EXPANDED POLYSTYRENE WITH INTEGRATED TYPAR AIR BARRIER MEMBRANE

This product provides the protection of an air barrier while allowing wall cavity humidity to escape.