



# DATA SHEET LEGERCLAD



## DESCRIPTION

### Legerclad

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

## PRODUCT DATA

### Dimensions

> 4' x 8' x 1"	(R-4.66)	RSI 0.82
> 4' x 9' x 1"	(R-4.66)	RSI 0.82
> 4' x 8' x 1 1/2"	(R-6.7)	RSI 1.18
> 4' x 9' x 1 1/2"	(R-6.7)	RSI 1.18
> 4' x 8' x 2"	(R-8.6)	RSI 1.51
> 4' x 9' x 2"	(R-8.6)	RSI 1.51
> 4' x 8' x 2 1/4"	(R-9.5)	RSI 1.67
> 4' x 9' x 2 1/4"	(R-9.5)	RSI 1.67
> 4' x 8' x 2 1/2"	(R-10.6)	RSI 1.87
> 4' x 9' x 2 1/2"	(R-10.6)	RSI 1.87

Other sizes available on request.

## 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
- > CCMC Number: # 13519-R

PHYSICAL PROPERTIES	IMPERIAL	METRIC	ASTM TEST	LEGERCLAD
<b>Thermal resistance:</b> R-value at 75°F (24°C) for 1 in (25 mm) thickness	$\frac{\text{hr}\cdot\text{ft}^2\cdot^\circ\text{F}}{\text{BTU}}$	$\frac{\text{m}^2\cdot^\circ\text{C}}{\text{W}}$	C-518 C-177	4.6 min. (0.82 min.)
Air permeability	-	L/s.m <sup>2</sup>	CNB 5.4.1.2	0.0032
Compressive strength (min.) at 10% distortion	psi	(kPa)	D-1621	16 (110)
Bending strength (min.)	psi	(kPa)	C-203	35 (240)
<b>Dimensional stability:</b> % of linear change (max.)	%	%	D-2126	0.5
Coefficient of thermal expansion (max.)	in/in/°F	(mm/mm/°C)	D-696	$3.5\times 10^{-5}(6\times 10^{-5}\text{C}^{-1})$
Water vapor permeability	-	(ng/Pa.s.m <sup>2</sup> )	E-96	> 60
Water absorption (max.)	%	%	D-2842	4
<b>Effective temperature range:</b> > Continuous > Intermittent	°F °F	(°C) (°C)	- -	167 (75) 180 (82.2)
Flame spread rating	-	-	(CAN/ULC S102.2 M)	< 115
Smoke developed	-	-	(CAN/ULC S102.2 M)	< 430
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.