

# DATA SHEET

## LEGERLITE SM TYPE I

### DESCRIPTION

#### LegerLite SM

Type I rabbeted insulation panel made with EPS beads containing a flame retardant.

For indoor and outdoor use: walls and foundations.

### PRODUCT DATA

#### Dimensions

> 2' x 8' x 1"	R-3.75
> 2' x 8' x 1 1/2"	R-5.5
> 2' x 8' x 2"	R-7.5
> 4' X 8' X 1"	R-3.75
> 4' x 8' x 1 1/2"	R-5.5
> 4' x 8' x 2"	R-7.5

*Other sizes available on request.*

### EVALUATION

- > Certified INTERTEK ETL SEMKO
- > Conforms to CAN/ULC-S701-01 standards
- > CCMC #12984-1

PHYSICAL PROPERTIES	IMPERIAL	METRIC	ASTM TEST	EPS TYPE 1
<b>Thermal resistance:</b> 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	3.7 min. (0.70 min.)
Compressive strength (min.) at 10% distortion	psi	(kPa)	D-1621	10.2 (70)
Bending strength (min.)	psi	(kPa)	C-203	25 (170)
<b>Dimensional stability:</b> % of linear change (max.)	%	%	D-2126	1.5
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 (max.)	Perm-inch	(ng/Pa.s.m <sup>2</sup> )	E-96	5.25 (300)
Water absorption (max.)	%	%	D-2842	6
<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

### PERMANENTR-VALUEGUARANTEE

The thermal resistance of this type of insulation is permanent due to its cellular structure which contains only stabilized trapped air. EPS performance does not diminish over time.

### ÉCOLOGIQUE

Contains no CFCs or HCFCs.

### NOTES

EPS beads should be considered flammable when subjected to a source of intense heat or a constant strong flame. They are vulnerable to petroleum-based solvents and prolonged exposure to ultraviolet radiation. EPS must therefore be covered according to the National Building Code.