

DATA SHEET LEGERDRAIN



DESCRIPTION

Legerdrain

Rabbeted insulation panel made with EPS beads containing a flame retardant.

Sloped insulation panel made with EPS beads containing a flame retardant.

PRODUCT DATA

Dimensions et specs

- > 48' x 48' (1219 mm x 1219 mm)
- > Rabbet: 1/2" (13 mm) or 5/8" (16mm)
- > Groove: 5 per side

Density

- Legerdrain 30: 2 lb/pi³ (32,03 kg/m³)
- Legerdrain 40: 2,5 lb/pi³ (40,04 kg/m³)

EVALUATION



- > Conforms to the CAN/ULC-S701 standards
- > Conforms to CAN/ULCS-126M DSIGN C7, C12
- > Conforms to Association des maîtres couvreurs du Québec standards
- > Certified INTERTEK ETL SEMKO
- > CCMC # 13526-L

PHYSICAL PROPERTIES	IMPERIAL	METRIC	ASTM TEST	LEGERDRAIN 30	LEGERDRAIN 40
Thermal resistance: R-value at 75°F (24°C) for 1 in. (25 mm) thickness	$\frac{\text{h}\cdot\text{pi}^2\text{hre}\cdot^\circ\text{F}}{\text{BTU}}$	$\frac{\text{m}^2\cdot^\circ\text{C}}{\text{W}}$	C-518 C-177	4,2 min. (0,74 min.)	4,2 min. (0,74 min.)
Compressive strength at 10% distortion (min.)	lb/po ² or psi	(kPa)	D-1621	20,4 (140)	40 (275)
Bending strength (min.)	lb/po ² or psi	(kPa)	C-203	43,6 (300)	60 (414)
Dimensional stability: % of linear change (max.)	%	%	D-2126	1,5	1,5
Coefficient of linear expansion (max.)	po/po/°F	(mm/mm/°C)	D-696	3,5x10 ⁻⁵ (6x10 ⁻⁵ C ⁻¹)	3,5x10 ⁻⁵ (6x10 ⁻⁵ C ⁻¹)
Water vapour permeability (max.)	Perm-Po	(ng/Pa.s.m ²)	E-96	2,25 (130)	2,25 (130)
Water absorption (max.)	%	%	D-2842	2	2
Effective temperature range:					
> Continuous	°F	(°C)	-	167 (75)	167 (75)
> Intermittent	°F	(°C)	-	180 (82,2)	180 (82,2)
Flame spread rating	-	-	(CAN/ULC S102,2 M)	< 140	< 140
Generated smoke	-	-	(CAN/ULC S102,2 M)	< 325	< 325

PERMANENT R-VALUE GUARANTEE

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..

INSTALLATION

Insulation panels can be applied hot or cold, as needed, using bitumen cooled to 225°F or fixed to the surface mechanically.

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.