

DESCRIPTION & USE

High density panel composed of expanded perlite and reinforcing cellulosic fibers. Top surface is sealed with a special coating to reduce excessive asphalt absorption in hot-asphalt applied roofing systems.

Perlex can be used as follows:

- For application requiring low thermal insulation or a multipurpose protective cover board
- Over closed cell insulating panels
- Can be applied with hot asphalt, adhesives or mechanical fasteners

TECHNICAL DATA

Physical Properties and Characteristics

Test	ASTM	1" PERLEX
Nominal Thickness	C-209	25.4 mm (1")
Density	C-209	144 kg/m ³ (9 lbs/ft ³)
Thermal Resistance	C-518	RSI 0.49 (R-2.78)
Linear Expansion	C-209	0.5%
Water Absorption 2 hrs. max	C-209	1.5% volume
Compressive Strength @ 10% deformation	C-165	276 Kpa (40 lbs/in ²)
Flexural Strength	C-209	448 Kpa (65 lbs/in ²)
Laminar Tensile Strength	C-209	55 Kpa (8 lbs/in ²)

Applicable Standards:

ASTM C 728

Factory Mutual, classes 1A-60, 1A-90 and 1A-180

UL approved for certain uses of Class A assemblies and for roof-ceiling assemblies hourly rating with fire (model P)



FEATURES & BENEFITS

- Resistance to damage that may occur during construction and maintenance
- Provides an excellent substrate for the roofing membranes
- Provides good dimensional stability
- Excellent fire resistance
- Excellent adhesion to the membrane

PERLEX 1" - SIZES & PACKAGING

Dimensions	Panels per bundle	Coverage per bundle
610 mm x 1219 mm (24" x 48")*	10	7.4 m ² (80 ft ²)
1219 mm x 1219 mm (48" x 48")	50	74.3 m ² (800 ft ²)

*Available on special order

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