

DATA SHEET

TAPERED PERLITE BOARD Perlite-Based Tapered Systems



Meets the requirements of ASTM C 728, Type 1

Features and Components

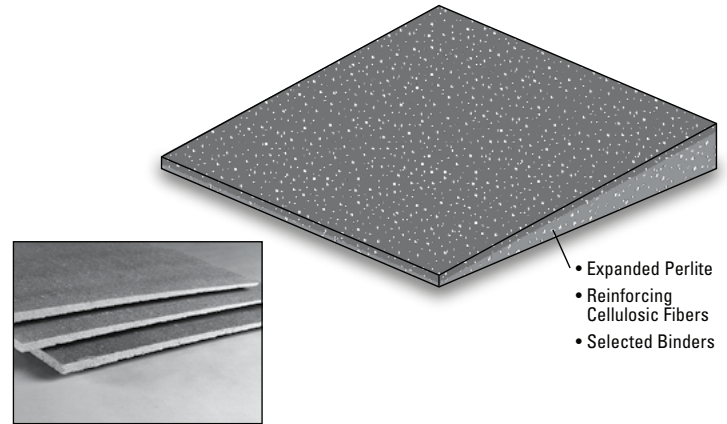
Top Coating: Top surface is sealed with this special coating to reduce excessive asphalt absorption in hot-asphalt applied roofing systems.

Expanded Perlite: Provides good dimensional stability, excellent insulation value with stable R-value and fire resistance.

Tapered Design: Factory cut taper, that is easy to install and cut, builds slope into an otherwise flat roofing system, allowing water to drain freely off the roof.

Reinforcing Cellulosic Fibers: Consists of recycled newsprint to provide strength to the board as well as high recycled content.

Hot Asphalt Friendly: Perlite board proven to reduce the tendency for blistering in hot asphalt applications.



Energy and the Environment

LEED®	Recycled Content	29% average
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Codes and Approvals



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Typical Physical Properties

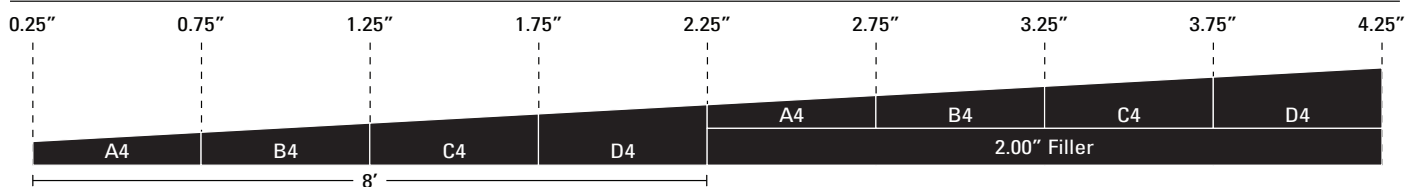
Test		ASTM	Tapered Perlite Board
Strength	Board Density, pcf (kg/m ³), <i>min</i>	C 209	8 (128)
	Compressive Strength 5% Consolidation, psi (kPa), <i>nom</i>	C 165	30 (207)
	Laminar Tensile Strength, psi (kPa), <i>nom</i>	C 209	8 (55)
	Flexural Strength, psi (kPa), <i>nom</i>	C 203	65 (448)
Moisture	Water Absorption, % by vol, <i>max</i>	C 209	1.5
	Linear Expansion, %, <i>max</i>	C 209	0.5
Installation	Weight per ft ² , lbs (thickness), <i>nom</i>	NA	0.8 (3/4")

Thermal Performance

Test	Thickness		R-Value (Resistance)	
	in.	mm	(hr•ft ² •°F)/BTU	m ² •°C/W
	1	25	2.7	0.48
Test	ASTM	Tapered Perlite Board		
Flame Spread	E 84	25		
Smoke Developed	E 84	10		

Profiles

1/4" per foot (20.8 mm/m) Slope – 2' x 4' Panels



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PACKAGING and DIMENSIONS

Perlite Tapered Systems

Bundle Pallet
Sq. Ft. Pcs Sq. Ft. Bdls

PANELS ARE 2' X 4'

1/2" Per Ft	X	0 - 1	144	18	1440	10
	X1	1 - 2	48	6	480	10
	X2	2-3	32	4		
	A2 (S)	1/4 - 1 1/4	96	12	960	10
	B2 (S1)	1 1/4 - 2 1/4	48	6	384	8
	PA2	1/2 - 1 1/2	80	10	800	10
	PB2	1 1/2 - 2 1/2	48	6	480	10

1/4" Per Ft	A4	1/4 - 3/4	144	18	1,440	10
	B4	3/4 - 1 1/4	64	8	640	10
	C4	1 1/4 - 1 3/4	48	6	480	10
	D4	1 3/4 - 2 1/4	32	4	320	10
	PA4	1/2 - 1	96	12	960	10
	PB4	1 - 1 1/2	48	6	576	12
	PC4	1 1/2 - 2	48	6	384	8
	PD4	2 - 2 1/2	32	4	320	10

1/8" Per Ft!	SA8	1/4 - 1/2	192	24	1920	10
	A8	1/2 - 3/4	112	14	1120	10
	B8	3/4 - 1	80	10	800	10
	C8	1 - 1 1/4	64	8	640	10
	D8	1 1/4 - 1 1/2	64	8	512	8
	E8	1 1/2 - 1 3/4	32	4	448	14
	F8	1 3/4 - 2	32	4	384	12
	G8	2 - 2 1/4	32	4	320	10

1/16" Per Ft	A16	1/2 - 5/8	128	16	1280	10
	B16	5/8 - 3/4	96	12	960	10
	C16	3/4 - 7/8	80	10	800	10
	D16	7/8 - 1	64	8	768	12
	E16	1 - 1 1/8	64	8	640	10
	F16	1 1/8 - 1 1/4	48	6	576	12
	G16	1 1/4 - 1 3/8	48	6	480	10
	H16	1 3/8 - 1 1/2	48	6	480	10

3/16" Per Ft	A3	1/4 - 5/8	160	20	1600	10
	B3	5/8 - 1	80	10	800	10
	C3	1 - 1 3/8	64	8	640	10
	D3	1 3/8 - 1 3/4	48	6	480	10

3/8" Per Ft	A38	1/4 - 1	112	14	1,120	10
	B38	1 - 1 3/4	48	6	480	10
	PA38	3/4 - 1 1/2	64	8	640	10
	PB38	1 1/2 - 2 1/4	48	6	480	10

3/4" Per Ft	Y	0 - 1 1/2	96	12	960	10
	Y1	1 1/2 - 3	48	6	480	10
	PY	1/2 - 2	64	8	640	10

1" + Per Ft	Z	0 - 2	64	8	640	10
	PZ	1 - 3	48	6	480	10
	SU 2.5	0- 2 1/2	48	6	480	10
	SU 3.0	0 - 3	48	6	480	10
	SU 4.0	0 - 4	48	6	480	10

SKYLIGHT CRICKET	LCC	(1/4 - 3/4) x 12	112	28	1120	10
	FOR 8'-10' X 2' SKYLIGHT CRICKET OUTSIDE CORNERS					

CORNERS	LCTC	(1-2) x 12	48	12	480	10
	FOR 8' X 4' SKYLIGHT TOP CORNERS					