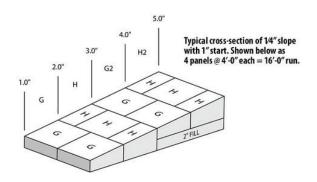


4100 Dixon St. | Des Moines, IA 50313 P: (515) 262-0882 | F: (515) 262-0812





Iowa EPS – Tapered Insulation (TI)

Product Description:

lowa EPS Tapered Insulation is the most versatile tapered insulation available and is engineered to provide long term stable R-Values. It 's unique production methods allow for custom thicknesses and custom R-Values providing maximum versatility in design. For years flat roof design experts have relied on EPS tapered insulation. TI can provide 1/8" or greater slope required to prevent ponding water and create positive drainage paths extending the life of the roof.

TI is a sustainable choice for commercial roofing applications. TI is 100% recyclable and is available either with or without recycled material. Compressive strengths are available between 10-60 psi with R-Values ranging from 4.1 - 4.9 per inch. It's ability to provide long term thermal value exceeds all other insulation types making it a great choice for LEED projects.

Advantages of Iowa EPS TI:

Customizable thickness, slope, and R - Value
Economical (lowest cost insulation R-Value per dollar)
Available in several compressive strengths to meet project and budget needs
Shortest lead times and on time deliveries keeping your project on track
Multiple facer options – polyiso ShieldGuard, fire retardant slip sheet, OSB, etc.

Compatible with:

Fully Adhered roof systems
Mechanically Attached roof systems
Ballasted roof systems
May be used under TPO, PVC, and EPDM membranes

Sizes: .5-31" thick for custom thickness and R values Available in either 4' x 4' or 4' x 8' panels

Installation: See Iowa EPS roofing installation document for all types roofing installation.



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Roofing Tapered Insulation

Property (Types based on ASTM C578)	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV	Test Method
Density (pcf)	.9	1.15	1.35	1.8	2.4	2.8	ASTM C303
R-value - per inch (hr•ft2•°F)/BTU @ 25°F @ 40°F @ 75°F	4.3 4.1 3.8	4.5 4.2 4.0	4.8 4.5 4.2	5.0 4.8 4.3	5.0 4.8 4.4	5.1 4.9 4.5	ASTM C518 or ASTM C177
Compressive Strength (psi @ 10% deformation)	10	13	15	25	40	60	ASTM D1621
Flexural Strength (min. psi)	25	30	35	50	60	75	ASTM C203
Water Vapor Permeance (max. perm., per 1 inch)	5.0	3.5	3.5	2.5	2.5	2.5	ASTM E96
Water Absorption (max. % vol)	4.0	3.0	3.0	2.0	2.0	2.0	ASTM C272
Flame Spread	< 20	< 20	< 20	< 20	< 20	< 20	ASTM E84
Smoke Developed	< 450	< 450	< 450	< 450	< 450	< 450	ASTM E84