

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





Iowa EPS – Flute Fill Insulation (FFI)

Product Description:

Iowa EPS Flute Fill Insulation is custom made for retrofit of standing seam metal roof systems. It can be manufactured to meet or exceed ASTM C578 or can incorporate recycle content to increase the use of recycled material in your project. It is available in Square Cut, Tapered Cut, or CNC Profile cute to match the shape of the existing roof. Iowa EPS FFI provides a long term stable R value and is moisture resistant

Advantages of Iowa EPS FFI:

Customizable shape

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 Fully Recyclable

Compatible with:

Existing standing seam metal roof systems

Sizes: Available in custom sized based on project specifics

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



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

Roofing Flute Fill 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