



# ISO 95+™ GL Flat and Tapered

**DESCRIPTION:**

Firestone ISO 95+ GL flat and tapered roof insulation consists of a closed-cell polyiso foam core laminated to a black glass reinforced mat facer on both major surfaces. Flat and tapered ISO 95+ GL provide outstanding thermal performance on commercial roofing applications, while providing positive roof top drainage to help eliminate ponding water when tapered ISO 95+ GL is used.

All Firestone polyiso insulations use EPA accepted blowing agents and qualify under the Federal Procurement Regulation for Recycled Material. Flat and tapered ISO 95+ GL with IsoGard™ Foam Technology incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free).

**METHOD OF APPLICATION:**

Insulation shall be neatly fitted to all roof penetrations, projections and nailers. No more insulation shall be installed than can be covered with membrane and completed before the end of each day's work or before the onset of inclement weather.

**ISO 95+ GL FLAT AND TAPERED MUST BE INSTALLED USING:**

Fasteners and plates, hot asphalt or Firestone approved insulation adhesives.

**For ballasted systems, the top layer of Firestone insulation may not be mechanically attached.**

ISO 95+ GL Flute Span Over Metal Decks				
Thickness	1.0"	1.25"	1.5"-3.8"	4.0"
Span	2.625"	3.675"	4.375"	4.5"

**SPECIFICATION COMPLIANCE:**

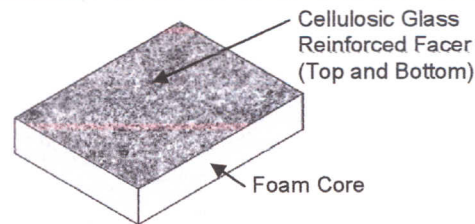
ASTM C1289, Type II, Class 1  
UL Classified  
FM Class 1 Approved  
Manufactured in an ISO 9002 Registered Facility  
CAN/ULC-S704, Type 1, Class 3



CCMC 13274-L



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**PRODUCT DATA**

Typical Thickness		LTTR* R-Value
(inches)	(mm)	
1.00	25.4	6.0
1.25	31.7	7.5
1.50	38.1	9.0
1.75	44.5	10.5
2.00	50.8	12.1
2.30	58.4	14.0
2.50	63.5	15.3
2.80	71.1	17.2
3.00	76.2	18.5
3.25	82.6	20.1
3.50	88.9	21.7
3.75	95.3	23.4
4.00	101.6	25.0

\* Long Term Thermal Resistance (LTTR) values provide a 15-year time-weighted average in accordance with CAN/ULC-S770.

TWO LAYERS  
R = 24.2

**POLYISO TYPICAL PROPERTIES**

Physical Property	ASTM Test	English Values	Metric Values
Compressive Strength*	D 1621	20 psi, typical	138 kPa, typical
Density	D 1622	2 pcf	32 kg/m <sup>3</sup>
Dimensional Stability	D 2126	<2%	<2%
Moisture Vapor Transmission	E 96	<1.0 Perm	<57.5 ng/(Pa·s·m <sup>2</sup> )
Water Absorption	C 209	<1% by Volume	<1% by Volume
Service Temperature		-100° to 250° F	-73° to 121° C

\*25 psi (172 kPa) available upon request.

**AVAILABLE SIZES:**

**Flat Boards:** 4' x 4' (1.22 m x 1.22 m)  
4' x 8' (1.22 m x 2.44 m)  
Thickness ranging 1.0" (25.4 mm) to 4.0" (101.6 mm)

**Tapered Boards:** 4' x 4' (1.22 m x 1.22 m)  
4' x 8' (1.22 m X 2.44 m) (special order)  
Thickness ranging 0.5" (12.7 mm) to 4.0" (101.6 mm)  
Slopes ranging 1/16" per foot (.5%) to 1/2" per foot (4%)  
See chart on page 2.

**STORAGE AND PRECAUTIONS:**

- Keep insulation dry at all times.
- Elevate insulation above the deck or ground.
- Cover insulation with waterproof tarps.
- Combustible. Refer to MSDS for more information.
- Do not install over wet, damp or uneven substrates.

**MANUFACTURING LOCATIONS:**

Florence, KY      Corsicana, TX  
Bristol, CT      Jacksonville, FL      Salt Lake, UT  
DeForest, WI      Youngwood, PA

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