



## 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. Flat and tapered ISO 95+ GL provide outstanding thermal performance on commercial roofing applications, while providing positive roof top drainage to 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).

**ADVANTAGES:**

1. Outstanding thermal performance.
2. Meets FM 4450 and UL 1256 for direct-to-steel-deck applications.
3. Compatible with ballasted, fully adhered and mechanically attached single-ply, modified bitumen and built-up roofing systems.
4. Available in flat boards 4' x 4' (1.22 m x 1.22 m) and 4' x 8' (1.22 m x 2.44 m) in thickness ranging from 1.0" (25.4 mm) to 4.0" (101.6 mm).
5. Available in tapered boards 4' x 4' (1.22 m x 1.22 m) and 4' x 8' (1.22 m X 2.44 m) with slopes ranging from 1/16" per foot (.5%) to 1/2" per foot (4%).

**SPECIFICATION COMPLIANCE:**

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

**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.

Note: See Firestone Technical Information Sheet 950 for Insulation Attachment Patterns.

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

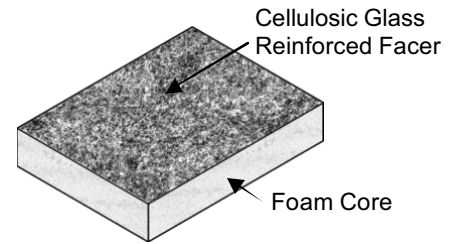
Fasteners and plates, hot asphalt or Firestone approved insulation adhesives.

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

**STORAGE AND PRECAUTIONS:**

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

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"



### PRODUCT DATA

Insulation Thickness (Inches) (mm)	LTTR* R-Value
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.

### POLYISO PHYSICAL PROPERTIES

Physical Property	ASTM Test	English Values	Metric Values
Compressive Strength*	D 1621	20 psi	138 kPa
Density	D 1622	2 pcf	32 kg/m <sup>3</sup>
Dimensional Stability	D 2126	<2%	<2%
Moisture Vapor Transmission	E 96	<1 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.

**LEED INFORMATION:**

Post Consumer Recycled Content:	Average 19%	
Post Industrial Recycled Content:	Average 15%	
Manufacturing Locations:	Aurora, CO Bristol, CT Corsicana, TX Covington, KY	DeForest, WI Jacksonville, FL Salt Lake, UT Youngwood, PA



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**Firestone Building Products Company**

A Division of BFS Diversified Products, LLC  
310 E. 96<sup>th</sup> Street, Indianapolis, IN 46240  
Sales: (800) 428-4442 • Technical (800) 428-4511  
[www.firestonebpc.com](http://www.firestonebpc.com)