

ISO 95+™ GL Woodfiber Composite

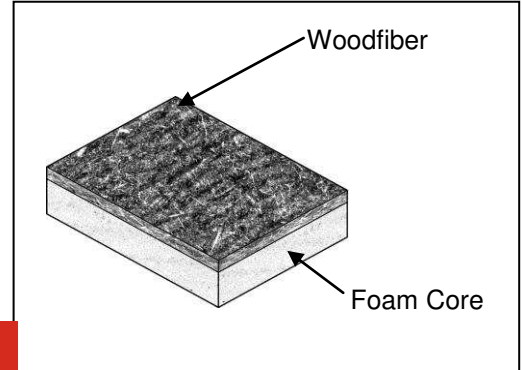
Item Description

Flat and Tapered

Flat Boards: 4' x 8' (1.22 m x 2.44 m) Thickness ranging 1.5" (38.1 mm) to 4.0" (101.6 mm)

Tapered Boards: 4' x 8' (1.22 m X 2.44 m) Thickness ranging 1.5" (38.1 mm) to 4.0" (101.6 mm)

Slopes ranging 1/16" per foot (.5%) to 1/2" per foot (4%)



Product Information

Description:

Firestone ISO 95+ GL Woodfiber Composite flat and tapered roof insulation consists of a closed-cell polyiso foam core laminated to a black glass reinforced mat facer on one side and 1/2" (12.7 mm) high density woodfiber roof insulation on the other side. Firestone ISO 95+ GL Woodfiber Composite flat and tapered provides outstanding thermal performance while providing positive drainage to eliminate ponding water when tapered boards are used.

All Firestone polyiso insulations use EPA accepted blowing agents and qualify under the Federal Procurement Regulation for Recycled Material. ISO 95+ GL Woodfiber Composite flat and tapered 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:

1. Insulation shall be neatly fitted to all roof penetrations, projections and nailers.
2. 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.
3. **ISO 95+ GL Woodfiber Composite Flat and Tapered Must Be Installed Using:** Firestone Fasteners and plates.
Note: See Firestone Technical Information Sheet 950 for Insulation Attachment Patterns.
4. **On Ballasted Systems:** Insulation may be loose laid. Top layer may not be mechanically attached.

Storage:

- Keep insulation dry at all times.
- Elevate insulation above the deck or ground.
- Cover Insulation with waterproof tarps.

Precautions:

1. Polyiso foam will burn if exposed to a flame of sufficient heat and intensity. Keep away from heat, sparks, and open flames.
2. Protect against dust that may be generated during installation.
3. Refer to Safety Data Sheet (SDS) for additional information.
4. Insulation products are non-structural, non-load-bearing materials that should be protected from roof traffic with proper walkway materials.
5. When used with hot bitumen, the bitumen temperature should not exceed 232 °C (450 °F).
6. Use in accordance with Firestone ISO 95+ GL Specifications and NRCA recommended application procedures.

TECHNICAL INFORMATION SHEET



ISO 95+™ GL Woodfiber Composite

Specification Compliance:

ASTM C1289, Type IV - ASTM C208 and C209
 Federal Woodfiber Spec: LLL-I-535B - UL Classified - CAN/ULC-S704
 Manufactured in an ISO 9001 Registered Facility



LEED® Information:

Post Consumer Recycled Content: ISO Average 19% Woodfiber: 50%
 Post Industrial Recycled Content: ISO Average 11% Woodfiber: 0%
 Manufacturing Location: Youngwood, PA

Typical Properties

Property	ASTM Standard	Units	Value	Units	Value
Compressive Strength:	D1621	psi	*20	kPa	138
Density:	D1622	pcf	2	kg/m ³	32
Dimensional Stability:	D2126	%	<2	%	<2
Moisture Vapor Transmission:	E96	perm	<1	ng/(Pa•s•m ²)	<57.5
Water Absorption:	C209	% by volume	<1	% by volume	<1
Service Temperature:	----	°F	-100 to 250 °F	°C	-73 to 121 °C

*25 psi (172 kPa) available upon request.

Available Sizes:

Product Data

Thickness*		LTTTR**	Max Flute Span		Total Recycled Content %
inches	mm		In	mm	
1.50	38.10	7.1	4.375	111.125	44
2.00	50.80	10.0	4.375	111.125	39
2.50	63.50	12.8	4.375	111.125	35
3.00	76.20	15.8	4.375	111.125	32
3.50	88.90	18.8	4.375	111.125	30
4.00	101.60	21.9	4.500	114.300	29

*Other thicknesses available upon request.

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

Please contact your Firestone Building Systems Advisor at 1-800-428-4511 for further information.

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