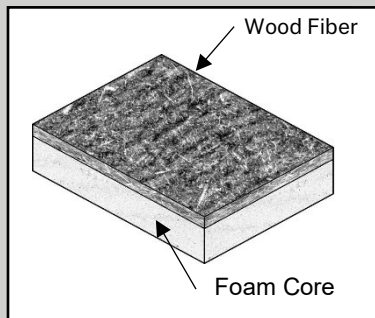# Technical Information Sheet

ISO 95+™ GL Wood Fiber Composite

Item Description

Flat and Tapered (made-to-order)

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

Tapered Boards: 4' x 8' (1.22 m x 2.44 m)

Slope Ranging $^{1}/_{16}$" per foot (.5%) to ½" per foot (4%)

Description

Elevate ISO 95+ GL Wood Fiber 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 ½" (12.7 mm) high density woodfiber roof insulation on the other side. Elevate ISO 95+ GL Wood Fiber Composite flat and tapered provides outstanding thermal performance while providing positive drainage to eliminate ponding water when tapered boards are used.

All Elevate polyiso insulations use EPA accepted blowing agents and qualify under the Federal Procurement Regulation for Recycled Material. ISO 95+ GL Wood Fiber 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 Wood Fiber Composite Flat and Tapered Must Be Installed Using**: Elevate Fasteners and plates.
   NOTE: See Elevate 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

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

Specification Compliance

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

PIMA QualityMark The Certified LTTR-value

CLASSIFIED c(UL)us

LEED® Information

Post-Consumer Recycled Content: ISO Average 19%   Wood Fiber: 50%
Post Industrial Recycled Content: ISO Average 11%   Wood Fiber: 0%
Manufacturing Locations: Youngwood, PA
NOTE: LEED® is a registered trademark of the U.S. Green Building Council

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	°C	-73 to 121

25 psi (172 kPa) available upon request.

Product Data

Thickness*		LTTR**
inches	mm	ft^{2}th$_o$ F/Btu in
0.5	12.70	2.9
1.0	25.40	5.7
1.1	27.94	6.3
1.2	30.48	6.8
1.3	33.02	7.4
1.4	35.56	8.0

Other thicknesses available upon request.
**R- values provide a 15-year time-weighted average in accordance with CAN/ULC-S770.*

Please contact Holcim Technical Services at 800-428-4511 for further information.

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Firestone, the brand of premier roofing, wall, and lining systems you know and trust, will be coming to you under a new name: Elevate. During our transition, products carrying the brand name **Firestone** will change to **Elevate** on product labels and packaging, Technical Information Sheets, and elsewhere. Only the brand name is changing. Our products remain the same.

For further information on our brand transition to Elevate, scan the code below with your smartphone, or visit our website: www.holcimelevate.com

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