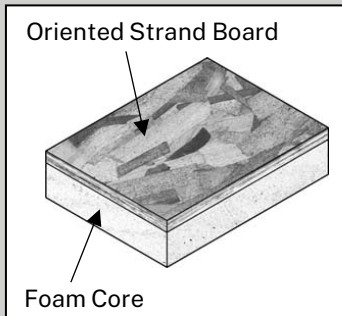


Technical Information Sheet



HailGard™ Composite Board

Item Description

Available Sizes: 4' x 4' (1.22 m x 1.22 m)
4' x 8' (1.22 m x 2.44 m)

Thickness Ranging: 1.5" to 4.0" (38.1 mm to 101.6 mm)

Description

Elevate HailGard Composite Board roof insulation consists of a closed-cell polyisocyanurate foam core laminated to a black glass reinforced mat facer on one side and 7/16" (11.1 mm) oriented strand board on the other side. It provides outstanding thermal performance and was designed as a component of the Holcim Platinum System. Elevate HailGard Composite Board is suitable for use with other types of commercial roofing systems.

All Elevate polyisocyanurate foam insulations use EPA accepted blowing agents and qualify under the Federal Procurement Regulation for Recycled Material. Elevate HailGard insulation with ISO GARD™ Foam Technology incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free).

Method of Application

1. Follow APA recommendations for use of OSB products.
2. Insulation shall be neatly fitted to all roof penetrations, projections, and nailers.
3. 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.
4. Elevate HailGard Composite Board may be installed using:
 - Fasteners and plates
 - HD HailGard Fasteners (required for steel, wood, and concrete decks)
5. Elevate HailGard Composite Board is not suitable as an immediate substrate for ballasted systems.

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 insulation Specifications and NRCA recommended procedures.

Specification Compliance

- ASTM C1289, Type V
- Oriented Strand Board (OSB) APA rated exposure 1
- Manufactured in an ISO 9001 Registered Facility
- CAN/ULC-S704

LEED® Information

ISO Post-Consumer Recycled Content:	Average 19%
ISO Post Industrial Recycled Content:	Average 15%
OSB Post-Consumer Recycled Content:	0%
OSB Post Industrial Recycled Content:	0%
Manufacturing Location:	Corsicana, TX

NOTE: LEED® is a registered trademark of the U.S. Green Building Council

Typical Properties		
Property	ASTM Test	Typical Performance
Compressive Strength	D1621	*20 psi (138 kPa)
Density	D1622	2 pcf (32kg/m ³)
Dimensional Stability	D2126	<2%
Water Vapor Transmission	E96	<1.0 Perm (<57.5 ng/Pa·s·m ²)
Water Absorption	C209	<1% by Volume
Service Temperature	---	-100 to 250 °F (-73 to 121 °C)

*25 psi (172 kPa) available upon request.

Product Data				
Thickness*		LTTR**	Weight	
inches	mm		ft ² th· F/Btu in	lb/ft ²
1.5	38.10	6.3	1.60	7.68
2.0	50.80	9.2	1.69	8.11
2.5	63.50	12.0	1.77	8.50
3.0	76.20	15.0	1.85	8.88
3.5	88.90	18.0	1.93	9.26
4.0	101.60	21.1	2.02	9.70

*Other thicknesses available upon request.

** Long Term Thermal Resistance (LTTR) 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.

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Holcim takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Holcim nor its representatives practice architecture. Holcim offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Holcim accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Holcim representative is authorized to vary this disclaimer.

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

