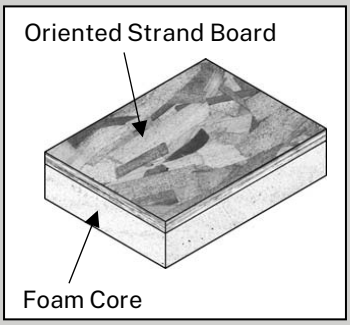
Technical Information Sheet



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 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 Elevate 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 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. 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.

AMRIZE

- 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$_0$ F/Btu in	lb/ft^2	kg/m^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 Elevate Technical Services at 800-428-4511 for further information.