



Product Description:

IB® Recovery Energy Board III is a ½" thick closed cell polyisocyanurate foam core panel specifically designed to use in recover and metal retrofit applications. It is integrally bonded to a coated glass facer on both sides.

Features:

- Provides significantly more thermal insulation (R-value) than wood fiber or gypsum boards
- Lightweight, easy to handle and cut
- Scores, cuts, and snaps easily and efficiently
- Coated glass facer on both sides
- Covered component under IB Total Systems Warranty
- Can be used for adhered, induction attached, and mechanically attached adhered roof assemblies

Packaging:

Available in 0.5" thick 4' x 4' (1220mm x 1220mm) and 0.5" thick 4' x 8' (1220mm x 2440mm) panels.

Approvals:

- ASTM C1289, Type II, Class 1, Grade 3 (25 psi max)
- UL Standard 790 (ASTM E108) Roofing Systems Classification
- FM Approvals (FM) Standard 4450/4470 Approved



Application:

Install the IB Recovery Energy Board III in accordance with IB Specifications and Construction Details. Refer to IB Specifications and Construction Details for installation requirements and additional information for specific uses. IB Recovery Energy Board III can be installed over approved substrates. Can be attached in adhered systems, induction welded systems or mechanically attached systems for membrane application.

Storage & Limitations:

Store above ground on pallets and cover with breathable tarpaulins. Insulation must be protected from open flame and always kept dry. Install only as much IB Recovery Energy Board III as can be covered the same day with the completed roofing system. Do not leave exposed. IB will not be responsible for specific designs by others, for deficiencies in construction or workmanship, for dangerous conditions on the job site or for improper storage and handling.



Refer to SDS for more information concerning Ozone Depletion Potential. IB Recovery Energy Board III is also designated with suffixes of A, H, or J to designate its point of origin within the IB Roof System distribution network.

Product details stated are nominal as manufactured, and the results of tests and/or calculations and therefore are non-binding and do not represent a guarantee or warranted characteristics. User and/or designer are responsible for confirming suitable performance for specific application and conforming with all applicable laws and regulations.

Typical Physical Properties*

Property	Test Method	Result (nom)
Compressive Strength	ASTM D1621	25 psi (max)
Dimensional Stability	ASTM D2126	< 2.0%
Water Absorption**	ASTM C209	1.5% (max)
Tensile Strength	ASTM D1623	730 psf (nom)
Flame Spread ¹	ASTM E84 (10 min.)	<75
Smoke Development ¹	ASTM E84 (10 min.)	<450
Service Temperature		-100° to +250°F

* Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.

**IB Recovery Energy Board III-H is tested to C1763 for Water Absorption with a 3.0%(max) result.

¹ Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤ 75 and smoke development ≤ 450 meet code requirements for foam plastic roof insulation. Codes exempt foam plastic insulation when used in FM 4450 or UL 1256.

Product	Thickness	Avg. LTTR ¹	Weight lb/sf	Recycled Content ²	
				Pre-Consumer	Total
IB Recovery Energy Board III-A	0.5"	2.9	.248	4.0%	4.0%
IB Recovery Energy Board III-H	0.5"	2.5	.25	-	-
IB Recovery Energy Board III-J	0.5"	2.9	.28	3.7%	3.7%

¹LTTR (long term thermal resistance) values were determined in accordance with CAN/ULC-S770-09. Test samples were third-party selected and tested by an accredited material testing laboratory. The ultimate R-Value of these products will depend on individual installation circumstances.

²Value represents average results

Go to <https://ibroof.com/tds> for the most up-to-date version of this document.

Toll Free: 800-426-1626

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510810048 1/26/2026