



JM Polyiso Cover Boards

ROOFING SYSTEMS



THE STRENGTH OF JM POLYSIO COVER BOARDS

Severe weather conditions. Maintenance and foot traffic. Moisture. Different factors can threaten and impact the long-term performance of your commercial roofing system. Fortunately, cover boards give you the peace of mind you need. This protective layer is highly important in reinforcing membranes, maintaining insulation thermal performance and resisting punctures and harsh weather conditions. By investing in cover boards, you will maximize the long-term performance and resiliency of your roofing system.

POLYISO COVER BOARDS

Anticipate greater installation efficiencies and exceptional durability with JM polyiso cover boards built with a lightweight, high-strength polyisocyanurate foam core. These boards were made to enhance the long-term performance of your roofing system.

1

Facers:

Contribute to the performance of the cover board by providing the outer structure for the foam core.

1

Coated Glass Facers: rigid inorganic polymer coated glass fiber mat with low porosity.

This facer promotes dimensional stability, moisture resistance, and efficient application of membrane adhesive. It will not support the growth of mold or mildew.

FR Facers: premium polymer coated glass fiber mat.

This facer carries all the same benefits of Coated Glass Facers (above) while also yielding UL Class A approvals when installed directly over a combustible deck substrate.

Glass-Reinforced Facers: commonly used facer material in polyisocyanurate insulation.

This facer provides a more economical solution for resistance to indentation and crushing. It is produced with a high value of post-consumer recycled content.

2

Polyisocyanurate Foam Core:

This closed-cell foam structure provides exceptional strength in a lightweight package and resists water absorption. All foam core boards are constructed with closed-cell foam structures sandwiched between two facer layers. It is produced with a pentane blowing agent with zero ozone-depletion potential.

2



ProtectoR™ HD

1/2" Thick High-Density Polyiso Cover Board

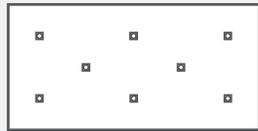
This cover board offers high performance in a competitive package.

With Grade 1 compressive-strength closed-cell foam core (80 psi minimum, up to 110 psi) and inorganic coated glass facers, ProtectoR HD provides excellent resistance against harsh rooftop conditions including hail, wind uplift, puncture and moisture. For adhered-membrane applications, this cover board achieves FM 1-90 approval with as few as 8 fasteners per 4' x 8' board. At 12 pounds per 4' x 8' board, it is extremely lightweight, resulting in easy handling with installation and transportation efficiencies.



SYSTEM FEATURES

1. Adhered Membrane
2. Fasteners and Plates
3. ProtectoR HD
4. ENRGY 3® Insulation

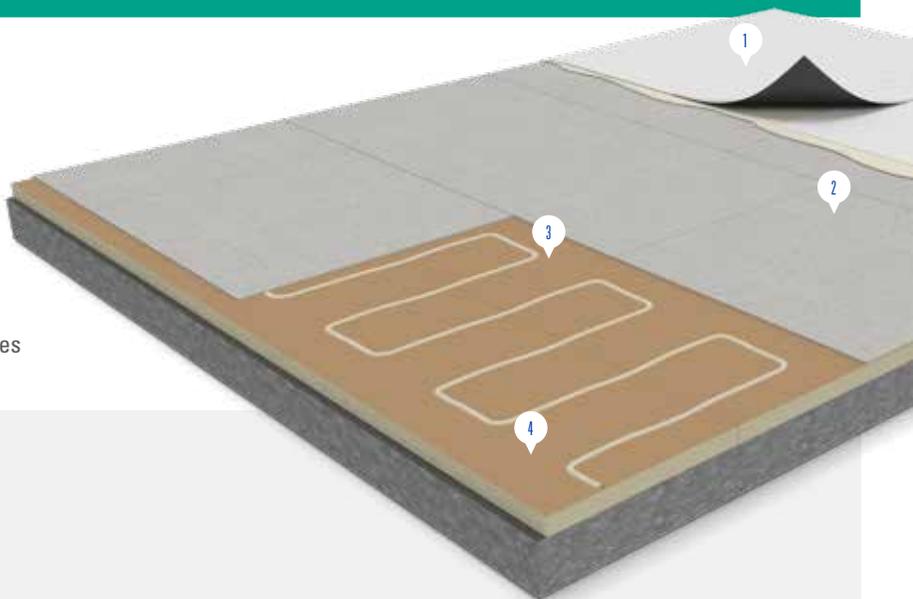


Achieves FM 1-90 utilizing 8 fasteners per 4' x 8' board within adhered reinforced membrane over a minimum. 22 gauge steel deck

Invinsa®

1/4" Thick High-Density Polyiso Cover Board

As the original high-density polyiso cover board, Invinsa is unique by offering the highest compressive strength (150 psi) with its ultra-thin profile (1/4")—the only Grade 3 polyiso cover board available. Invinsa offers proven high performance against harsh rooftop conditions including hail, wind uplift, puncture and moisture. The thin profile maximizes vertical membrane flashing heights and the amount of squares per truck. The high-density foam core promotes exceptional facer adhesion.



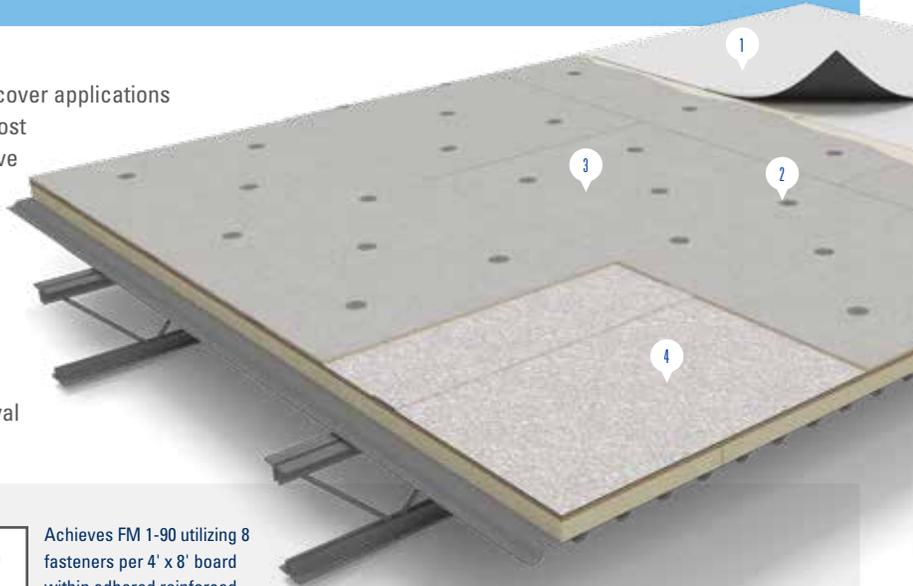
SYSTEM FEATURES

1. Adhered Membrane
2. Invinsa
3. Urethane Low-Rise Foam Adhesive
4. ENRGY 3® Insulation

SeparatoR[®] CGF

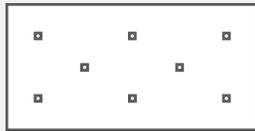
½" Inorganic Recover Board

This cover board serves as a versatile solution for re-cover applications and offers performance and value. Compatible with most membrane-application methods, the 25 psi compressive strength closed-cell foam core and inorganic coated glass facers offer dimensional stability, moisture resistance and high R-value (2.9) and will not promote mold or mildew growth. With a nominal weight of 0.28 lbs/ft², SeparatoR CGF is an excellent choice where structural limitations may limit additional loading. For adhered-membrane applications, SeparatoR CGF achieves FM 1-90 approval with as few as 8 fasteners per 4' x 8' board.



SYSTEM FEATURES

1. Adhered Membrane
2. Fasteners and Plates
3. SeparatoR CGF
4. Existing Cap Sheet Roof



Achieves FM 1-90 utilizing 8 fasteners per 4' x 8' board within adhered reinforced membrane over a minimum. 22 gauge steel deck

SeparatoR[®]

½" Recover Board for Mechanically Fastened Membrane Assemblies

SeparatoR provides an economical solution for mechanically fastened membrane recover applications while adding thermal insulation value to your building. SeparatoR acts as a protective layer between the irregularities of an existing roof surface and a new mechanically fastened single ply membrane, providing a consistent, clean substrate for the new waterproofing membrane. Its lightweight nature provides ease of use and application and minimizes additional loading on existing structures.



SYSTEM FEATURES

1. Mechanically Fastened Membrane
2. Fasteners and Plates
3. SeparatoR
4. Existing Cap Sheet Roof

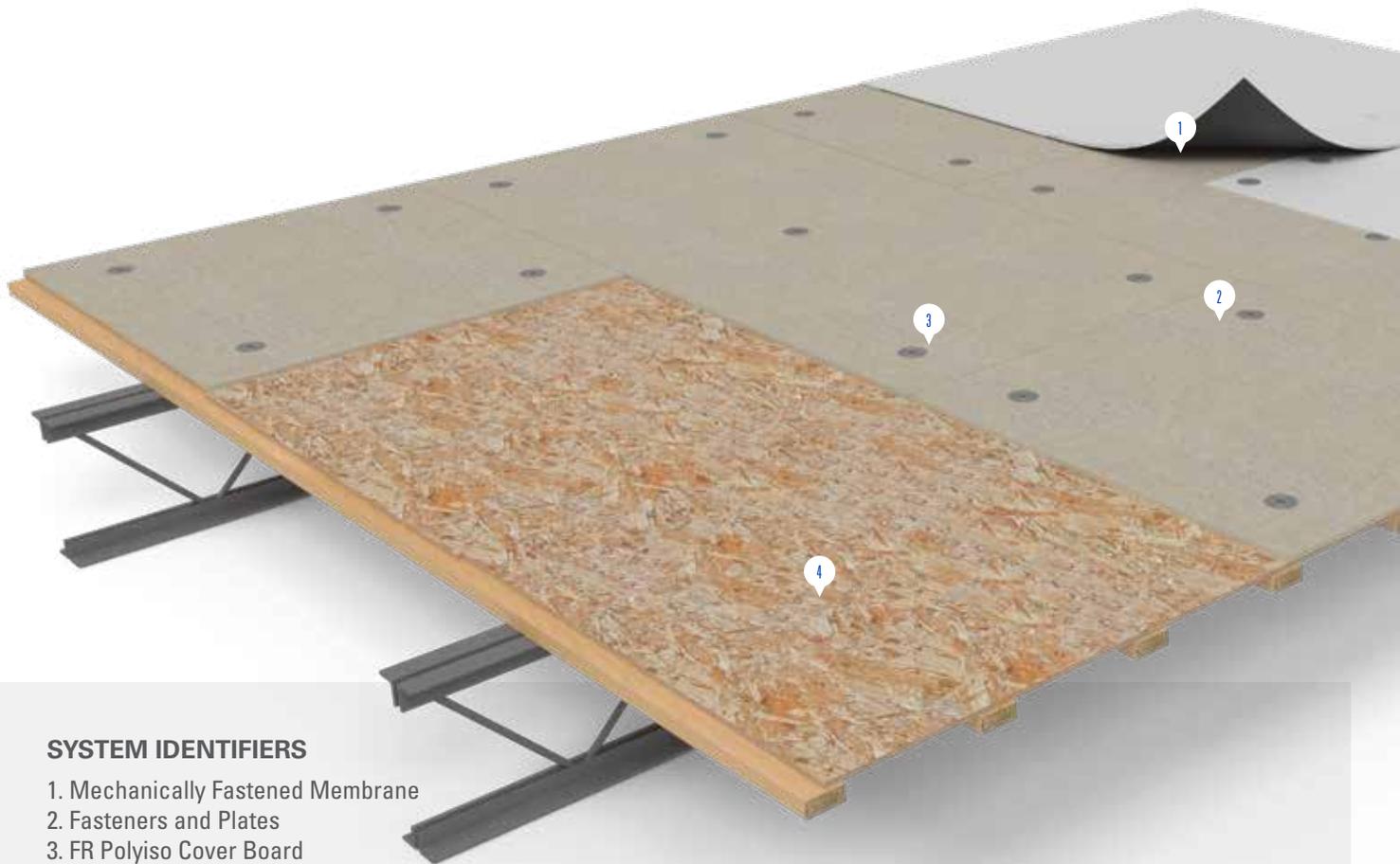
FR COVER BOARDS

Separator[®]
FR

Protector[™]
HD FR

Invinsa[®]
FR

Johns Manville offers an FR version of all polyiso cover board products designed to achieve UL Class A approvals for applications directly over a combustible wood deck without the need for an additional thermal or fire-barrier material above the deck. These FR polyiso cover boards feature the same great benefits as the standard version of the products but incorporate a premium coated glass facer yielding UL Class A Approval as tested in accordance with UL standard 790.



SYSTEM IDENTIFIERS

1. Mechanically Fastened Membrane
2. Fasteners and Plates
3. FR Polyiso Cover Board
(boards interchangeable)
4. Combustible Wood Deck

FIND THE COVER BOARD THAT WORKS FOR YOU

At Johns Manville, we take pride in providing a full portfolio of cover board solutions. Review the following aspects of each individual board thoroughly to find the best selection to meet the needs of your roofing projects.

	ProtectoR™ HD	Invinsa®	SeparatoR® CGF	SeparatoR®
4' X 8' SKU	90027900	90001034	90027859	90024357
4' X 4' SKU	90027899	90001033	90027858	90024356
Compressive Strength (PSI)	80 min. up to 110	150 nom.	25 min.	20 min.
Thickness	1/2"	1/4"	1/2"	1/2"
R-value (nom.)	2.5	1.2	2.9	2.9
Squares/Truck	675	921	675	652
Weight (4' x 8' board)	12 lbs	12 lbs	9 lbs	6 lbs
Price	\$\$\$	\$\$\$	\$\$	\$
Inorganic Composition	Yes	Yes	Yes	No
Adhered Single Ply	Yes	Yes	Yes	No
M/F Single Ply	Yes	Yes	Yes	Yes
Mod Bit (SA and CA)	Yes	Yes	Yes	No



PEAK *Johns Manville* ADVANTAGE

Johns Manville offers one of the most comprehensive guarantees in the roofing industry. That's the advantage you can expect from a longtime, dependable leader with the financial backing of Berkshire Hathaway.



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