



Johns Manville



JM POLYSIO 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.

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

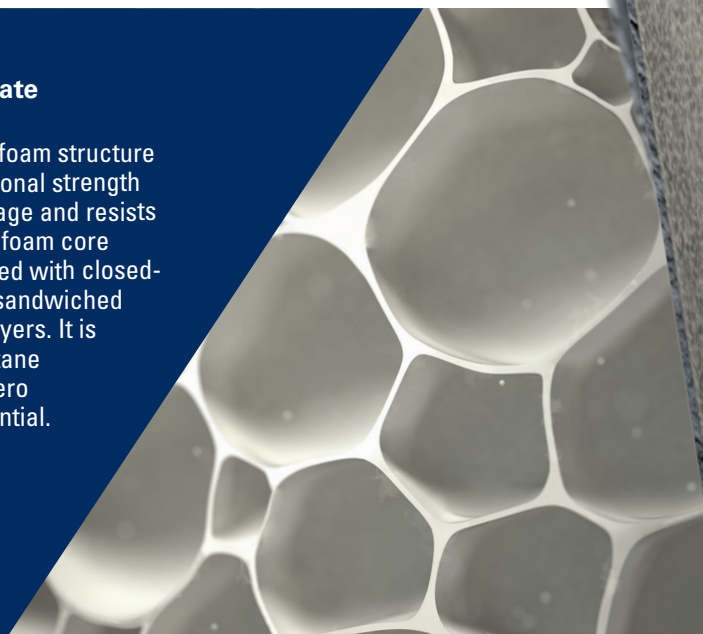
This facer provides a more economical solution for resistance to indentation and crushing. It is produced with a high value of post-consumer recycled content.

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.

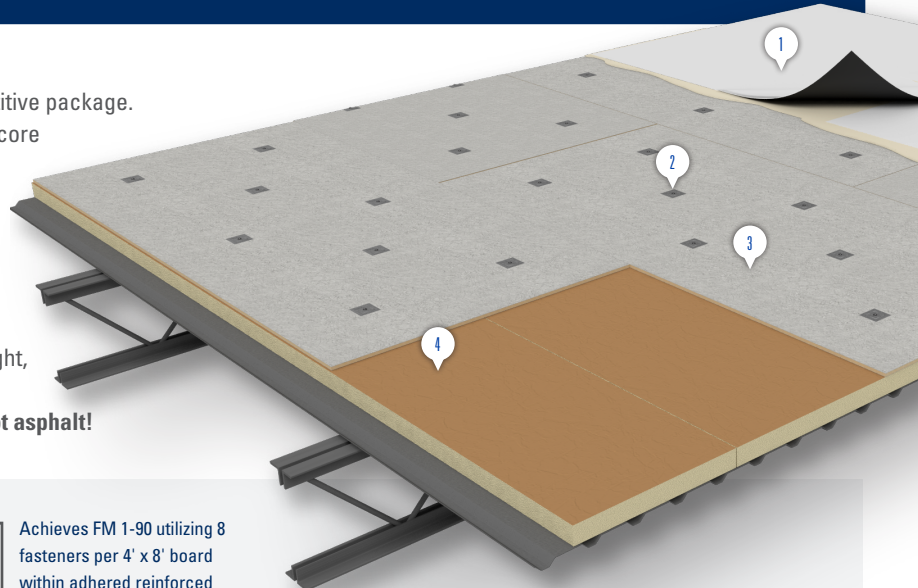
2



ProtectoR[®] HD

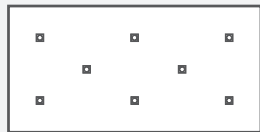
1/2" High-Density Polyiso Cover Board

This cover board offers high performance in a competitive package. With Grade 1 compressive-strength closed-cell foam core (109 psi max.) 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. **Can now be adhered in hot asphalt!**



SYSTEM FEATURES

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

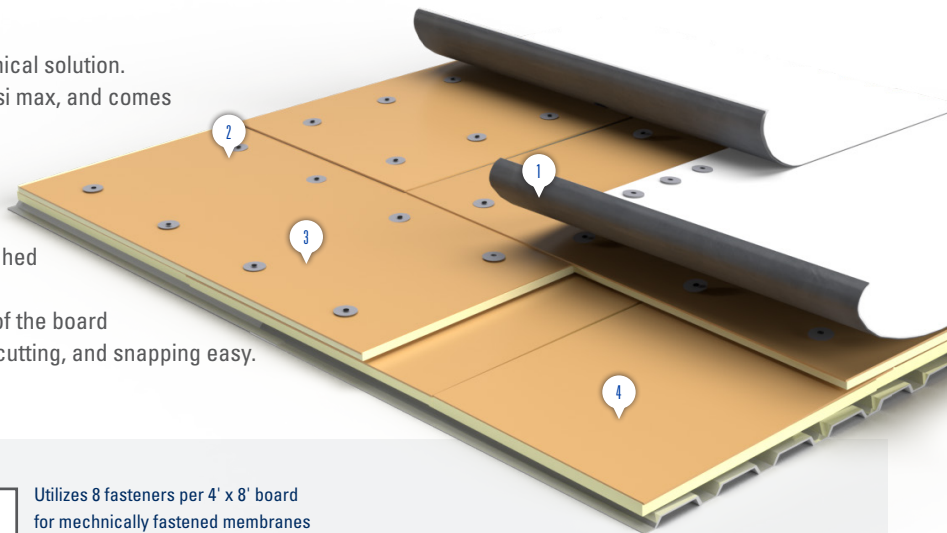


Achieves FM 1-90 utilizing 8 fasteners per 4' x 8' board within adhered reinforced membrane over a minimum. 22 gauge steel deck

ENRGY 3[®] HD

1/2" High-Density Polyiso Cover Board

This cover board offers a high performance economical solution. This board has a high compressive-strength of 80 psi max, and comes with our standard ENRGY 3[®] glass reinforced facer. High impact, and compressive strength provides a protective layer for insulation while working with the membrane above to ensure maximum performance and longevity. For Mechanically Attached applications, this cover board uses as few as 8 fasteners per 4' x 8' board. The lightweight nature of the board allows for a user friendly experience making scoring, cutting, and snapping easy.



SYSTEM FEATURES

1. Attached Membrane
2. Fasteners and Plates
3. ENRGY 3[®] HD
4. ENRGY 3[®] Insulation

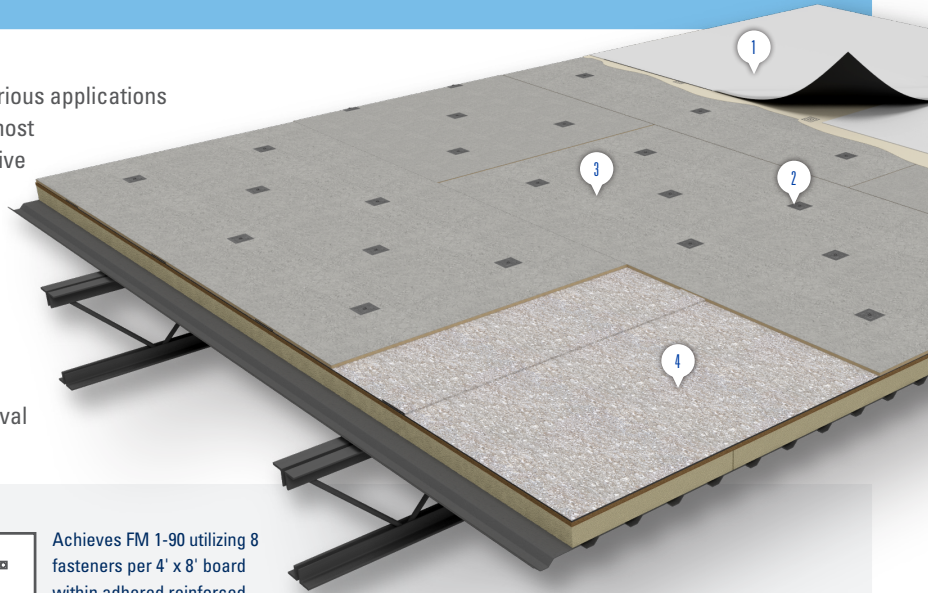


Utilizes 8 fasteners per 4' x 8' board for mechanically fastened membranes

SeparatoR[®] CGF

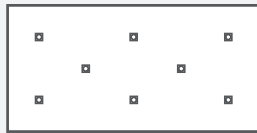
1/2" Inorganic Polyiso Roof Board

This cover board serves as a versatile solution for various 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

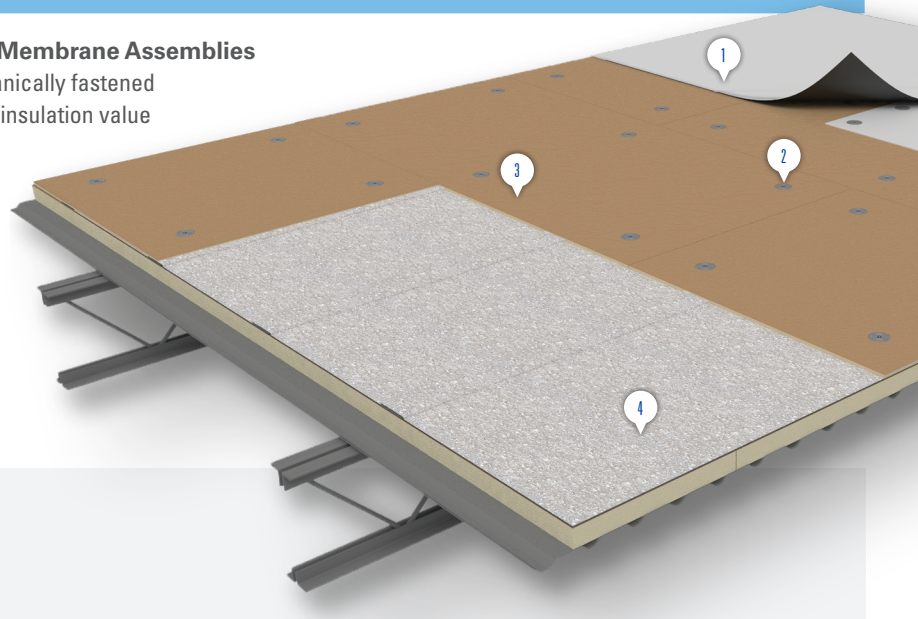


Achieves FM 1-90 utilizing 8 fasteners per 4' x 8' board within adhered reinforced membrane over a minimum. 22 gauge steel deck

SeparatoR[®]

1/2" 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

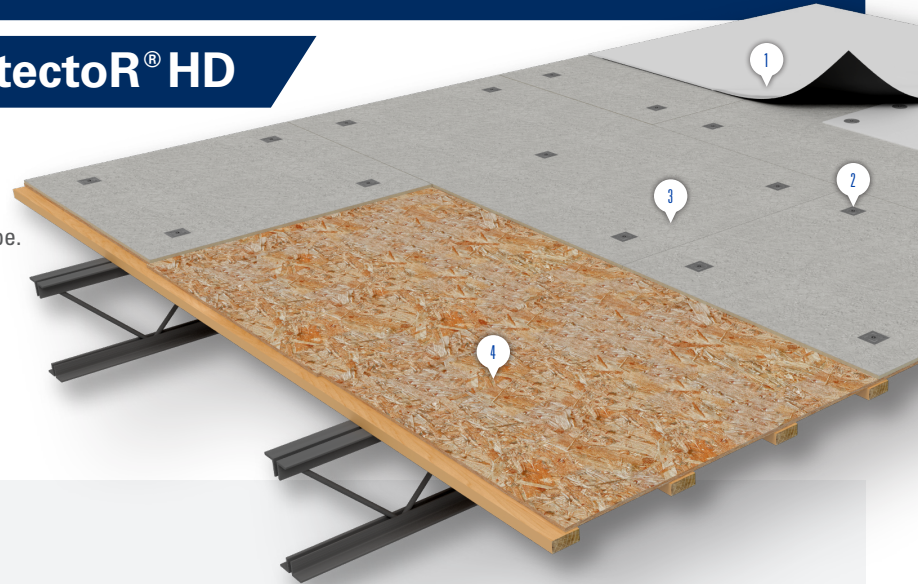
UL CLASS A COVER BOARDS

Over Combustible Wood Decks

SeparatoR® CGF

ProtectoR® HD

SeparatoR CGF and ProtectoR HD 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 up to 1/2:12" slope.



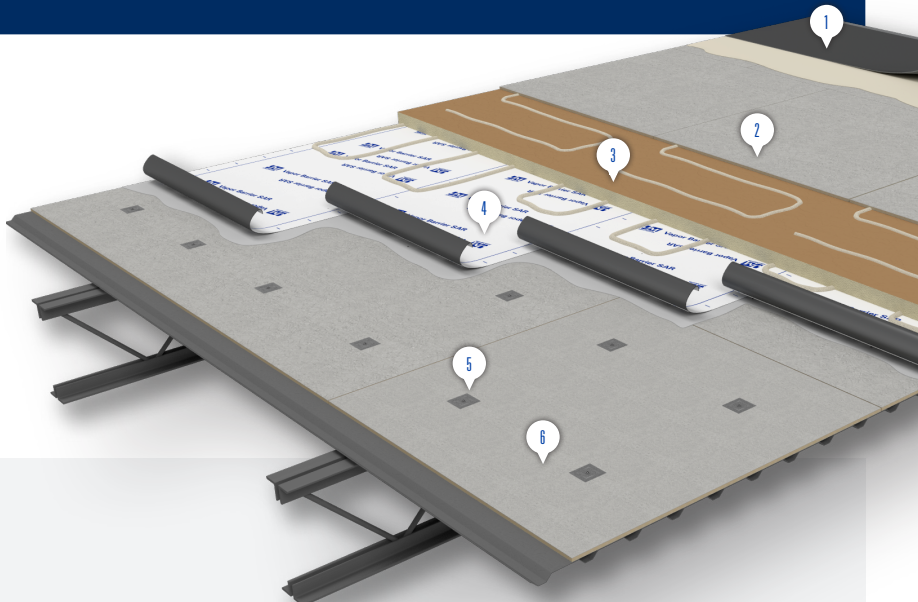
SYSTEM FEATURES

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

Substrate Board

ProtectoR® HD

ProtectoR HD is a Factory Mutual approved substrate board layer suitable for application directly to a steel deck. With a spanability of 9.5 inches as tested in accordance with ASTM E661, ProtectoR HD provides a durable substrate for self-adhered vapor barrier and temporary roof applications. ProtectoR HD as a substrate board layer achieves UL Class A and is UL 1256 compliant.



SYSTEM FEATURES

1. Adhered Membrane
2. Adhered Polyiso Coverboard
3. Adhered ENRGY 3 Insulation
4. JM Vapor Barrier – Self Adhered
5. Fastener and Plates
6. ProtectoR HD substrate board

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	ENRGY 3® HD	SeparatoR® CGF	SeparatoR®
4' X 8' SKU	90027900	90038114	90027859	90024357
4' X 4' SKU	90027899		90027858	90024356
Compressive Strength (PSI)	109 max.	80 max.	25 min.	20 min.
Thickness	1/2"	1/2"	1/2"	1/2"
R-value (nom.)	2.5	2.5	2.9	2.9
Squares/Truck	675	668	675	652
Weight (4' x 8' board)	12 lbs	9 lbs	9 lbs	6 lbs
Price	\$\$\$	\$\$	\$\$	\$
Inorganic Composition	Yes	No	Yes	No
Adhered Single Ply	Yes	No	Yes	No
M/F Single Ply	Yes	Yes	Yes	Yes
Mod Bit (SA and CA)	Yes	No	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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