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.

JM Polyiso Cover Boards
ROOFING SYSTEMS

71 7 17th St.
Denver, CO 80202
(800) 922-5922
www.jm.com/roofing
RS-5629 12-18 (New)
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.

   **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.
**ProtectoR® HD**

½" 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.

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

**Invinsa®**

¼" 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
½” 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.

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
UL CLASS A COVER BOARDS
Over Combustible Wood Decks

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

Thermal Barrier

ProtectoR® HD is an FM approved thermal barrier 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 vapor barrier and temporary roof applications.

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 thermal barrier
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.

<table>
<thead>
<tr>
<th></th>
<th>ProtectoR® HD</th>
<th>Invinsa®</th>
<th>SeparatoR® CGF</th>
<th>SeparatoR®</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4’ X 8’ SKU</strong></td>
<td>90027900</td>
<td>90001034</td>
<td>90027859</td>
<td>90024357</td>
</tr>
<tr>
<td><strong>4’ X 4’ SKU</strong></td>
<td>90027899</td>
<td>90001033</td>
<td>90027858</td>
<td>90024356</td>
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<tr>
<td>Compressive Strength (PSI)</td>
<td>109 max.</td>
<td>150 nom.</td>
<td>25 min.</td>
<td>20 min.</td>
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<tr>
<td>Thickness</td>
<td>1/2”</td>
<td>1/4”</td>
<td>1/2”</td>
<td>1/2”</td>
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<tr>
<td>R-value (nom.)</td>
<td>2.5</td>
<td>1.2</td>
<td>2.9</td>
<td>2.9</td>
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<tr>
<td>Squares/Truck</td>
<td>675</td>
<td>921</td>
<td>675</td>
<td>652</td>
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<tr>
<td>Weight (4’ x 8’ board)</td>
<td>12 lbs</td>
<td>12 lbs</td>
<td>9 lbs</td>
<td>6 lbs</td>
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<tr>
<td>Price</td>
<td>$$$</td>
<td>$$$</td>
<td>$</td>
<td>$</td>
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<tr>
<td>Inorganic Composition</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Adhered Single Ply</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>M/F Single Ply</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Mod Bit (SA and CA)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>
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