Commercial Insulation Products
Delivering Superior Thermal Performance for Building Envelopes
For more than 35 years, Rmax has been creating insulation solutions based on the latest building science. Our full line of high-quality, polyiso-based roof, wall and specialty insulation products for commercial, industrial and residential applications deliver maximum R-values and minimum environmental impact, with efficiency in installation, cost and design.

As new developments in building science emerge, rest assured that Rmax will remain on the forefront, manufacturing tested, engineered solutions that serve Architects, builders, owners and occupants alike. Our people understand the diverse markets our products are used in. Their integrity and responsiveness work to your advantage. Our manufacturing plants in Dallas, TX, Greer, SC and Fernley, NV, with sales offices coast-to-coast, stand ready to serve you.

“...the most impressive part of this job [DMG Mori Seiki Factory] was that Rmax was able to custom manufacture a 28’ board for this job. This helped meet the customer’s needs by reducing the number of seams and increasing the overall R-value of the wall. ”

— Chris Melhus, Service Partners Supply

Delivering Superior Performance

Rmax insulation has been designed and tested to provide building envelopes with superior insulating protection, while meeting the newest codes and requirements. Rmax’s engineered products and solutions allow for ultimate efficiency through multiple design options, creating ease of construction and reduced energy usage. This leads to a better building envelope all while adding to the bottom-line through both material and labor savings - making Rmax an excellent choice for commercial buildings.
FIRE RESISTANT
Rmax Polyiso performs exceptionally well in fire testing required for code compliance and life safety, especially compared to polystyrene, XPS and EPS. Rmax has insulation products and solutions that pass stringent FM, UL and NFPA test standards allowing them to be used in roofs and walls without a thermal or ignition barrier and within non-combustible construction.

THERMAL PERFORMANCE
Rmax rigid insulation provides the highest R-value per inch for the entire building envelope. With a thinner profile, Architects, designers and Specifiers have the choice of reducing a building’s footprint or enhancing its usable space. Rmax has engineering reports with third party verified R-values, and all manufacturing facilities participate in the PIMA’s Quality Mark LTTR Certification program – providing peace of mind by getting 100% of what you’re paying for.

Continuous insulation eliminates thermal bridging through the studs that occurs with cavity insulation such as fiber glass batts. The assembly R-value of cavity insulation installed between steel studs can be effectively reduced by as much as 60% below advertised values. Rmax insulation products cover the entire surface (roof or wall) protecting the building envelop from heat loss – providing peace of mind that the building is designed for superior performance.
Shiloh House - Centennial, Colorado
Rmax ECOMAXci™ Wall Solution

The Architect on this project, Davis Partnership, used ECOMAXci™ Wall Solution over the entire envelope of this building incorporating different claddings throughout.
ECOMAXci™ Wall Solution optimizes performance and provides a ready-made answer to fire, air and water, in addition to thermally efficient continuous insulation.

The Boardwalk at Granite Park - Plano, Texas
Rmax ECOBASEci™

The Architect, Omniplan, used Rmax ECOBASEci™ as a part of the wall assembly because it provided continuous insulation as well as a nailable base solution for hanging cladding. ECOBASEci™ is NFPA-285 assembly tested, which was a requirement for this project.
ECOBASEci™ provides a nailable wall solution creating a surface for cladding attachments. It is installed continuously to reduce thermal bridging and meets R-value requirements with a thinner profile.

Nebraska Furniture Mart - The Colony, Texas
Rmax Thermasheath®-3

Thermasheath®-3 is installed continuously which increases thermal performance, reduces operating costs, reduces air infiltration and exfiltration, reduces risk of moisture intrusion and dimensional stability.

This lightweight and easy to install insulation delivers optimal flexibility in design and efficiency - which is why it was a perfect choice for this project.
Rmax flat polyiso insulation offers versatile solutions for new and retrofit applications. They deliver the highest R-values per inch, do not require a thermal barrier and are available in 25psi compressive strength. Rmax insulation products will save on energy dollars.

Rmax Tapered polyiso insulation is manufactured with a standard slope of 1/8", 1/4" or 1/2" per foot to provide positive roof drainage. Rmax Tapered products are available with factory engineered roof layouts for simplified installation.

Rmax polyiso Nail Base products meet nationally adopted building codes – and are ideal for new and retrofit applications. Nail Base products typically come bonded to a 7/16" OSB panels and allow for the normal expansion of wood. In addition, panels may be custom-ordered with a wide variety of plywoods. Finally, Rmax Nail Base products reduce thermal loss and moisture migration. All-in-all, Rmax polyiso Nail Base products are the wise choice.

Leading the Industry in Product Excellence

Rmax has evolved to become the respected leader in the manufacture and delivery of commercial, industrial and residential roofing insulation products. Every step of the way, we’ve grown as an organization by developing product solutions which embrace the challenges of our changing industry with integrity, responsiveness and a forward-thinking attitude.

As time passed, typical asphalt built-up roofing systems have often been replaced with the newer single-ply systems. Rmax has continuously introduced new products that exceeded industry demands through its cutting-edge technology. These new energy efficient polyiso roofing products developed quickly and taught end-users nationwide to depend on the quality and performance of Rmax insulation.
WALL AND CEILING PRODUCTS

Building Envelope Insulation

Thermasheath®-3
This lightweight thermal insulation board has reinforced aluminum foil facers. Thermasheath®-3 is suitable for use in cavity walls, masonry walls, vaulted ceilings, some limited roofing applications, as well as, many other building envelope continuous insulation applications.

COMPLIANCES
- ASTM C1289 Type I, Class 1 and 2
- UL Fire Rated Assemblies
- Water-Resistive Barrier (WRB)
- City of LA
- IBC, IRC, IECC, ASHRAE 90.1
- ICC-ES ESR-1864
- Air Barrier Material
- CA Insulation Directory
- CCMC
- Miami Dade County

Continuous Insulation - Exterior Walls

ECOBASEci™
Rmax ECOBASEci™ is composite product of polyiso insulation with inorganic, polymer coated glass fiber mat facers bonded to 5/8" or 3/4" fire retardant treated plywood (FRTP). This insulation has been tested for multiple NFPA 285 assemblies and is approved for use in exterior walls of buildings of any height.

COMPLIANCES
- ASTM C1289 Type V
- DrJ 1504-04
- NFPA 285
- CA Insulation Directory
- IBC, IRC, IECC, ASHRAE 90.1
- ICC-ES ESR-1864
- UL Fire Rated Assemblies

ECOMAXci™
Rmax ECOMAXci™ has glass fiber reinforced aluminum foil facers on both sides - offering enhanced durability, dimensional stability and fire performance. ECOMAXci™ allows for optimum efficiency through multiple design options, ease of construction, a better building envelope and reduced energy usage.

COMPLIANCES
- ASTM C1289 Type I, Class 1 and 2
- DrJ 1212-03
- Class A Flame Spread
- Miami Dade County
- City of LA
- CA Insulation Directory
- IBC, IRC, IECC, ASHRAE 90.1
- UL Fire Rated Assemblies
- NFPA 285
- Water-Resistive Barrier (WRB)
- Air Barrier Material
- R-Trac HVHZ Component
Continuous Insulation for Exposed Use

**TSX-8500**
This superior insulation product has glass fiber reinforced aluminum foil facers. The exposed side has a heavy 12mil aluminum reflective surface and is designed to provide an attractive interior finish without the need for a thermal barrier - up to 4.5" on walls or 12" on ceilings.

**COMPLIANCES**
- ASTM C1289 Type I, Class 1 and 2
- DrJ 1309-03
- Class A Flame Spread
- NFPA 285
- Miami Dade County
- City of LA
- IBC, IRC, IECC, ASHRAE 90.1
- ICC-ES ESR-1864
- UL Fire Rated Assemblies
- Exposure Rated
- Water-Resistive Barrier (WRB)
- Air Barrier Material
- CA Insulation Directory

**TSX-8510**
Just like TSX-8500, this product is designed for use without a thermal barrier (up to 4.5" on walls or 12" on ceilings) to provide an attractive interior finish. The difference is that the exposed side of TSX-8510 has a heavy 12mil white aluminum surface.

**COMPLIANCES**
- ASTM C1289 Type I, Class 1 and 2
- DrJ 1309-03
- Class A Flame Spread
- Miami Dade County
- City of LA
- IBC, IRC, IECC, ASHRAE 90.1
- ICC-ES ESR-1864
- UL Fire Rated Assemblies
- Exposure Rated
- Water-Resistive Barrier (WRB)
- Air Barrier Material
- CA Insulation Directory

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**Thermal Properties / R-Values**

<table>
<thead>
<tr>
<th>Product</th>
<th>Nominal Thickness (Foam Only)</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>0.5&quot;</td>
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<tr>
<td>Thermasheath®-3</td>
<td>3.2</td>
</tr>
<tr>
<td>TSX-8500</td>
<td>3.2</td>
</tr>
<tr>
<td>TSX-8510</td>
<td>3.2</td>
</tr>
<tr>
<td>ECOMAXci™</td>
<td>---</td>
</tr>
<tr>
<td>ECOMAXci™ - 5/8&quot; FRTP²</td>
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</tr>
<tr>
<td>ECOBASEci™ - 3/4&quot; FRTP²</td>
<td>---</td>
</tr>
</tbody>
</table>

¹Thermal values are determined by using ASTM C518 test method at 75°F mean temperature on material conditioned according to PIMA Technical Bulletin No. 101.
²R-value includes nailing panel
Visit [www.rmax.com](http://www.rmax.com) for a complete list of thicknesses and packaging information.
Nailable Base - Above the Deck Insulation

**Nailable Base-3**
An all-in-one roof insulation and nailing surface, has a 7/16” thick OSB nailing panel bonded to a polyiso foam board with glass fiber/organic mat facers. It is designed for use with concrete, slate or clay roofing tiles, as well as, wood shakes, asphalt shingles and metal panel roofing systems.

**COMPLIANCES**
- ASTM C1289 Type V
- Factory Mutual (2” min)
- CA Insulation Directory
- IBC, IRC, IECC, ASHRAE 90.1
- City of LA

**Multi-Vented Nailable Base-3**
A composite insulation with solid wood vent blocks to separate the rigid insulation layer from the standard 7/16” OSB nailing surface. The insulation has glass fiber/organic mat facers on both sides. The solid wood vent blocks come in 3/4” to 2” thicknesses. Superior for use in commercial steep slope roofing applications.

**COMPLIANCES**
- ASTM C1289 Type V
- CA Insulation Directory
- IBC, IRC, IECC, ASHRAE 90.1

Flat and Tapered - Above the Deck Insulation

**Multi-Max® FA-3 and Tapered Thermaroof®-3**
The glass fiber/organic mat facers make them compatible with virtually any roofing system. Specify either product for use with single ply, built-up and modified bitumen membranes or metal panel roofing applications.

Tapered Thermaroof®-3 improves roof drainage as designed with standard slopes of 1/8”, 1/4” or 1/2” per foot. Tapered systems utilize flat Multi-Max® FA-3 to build up thickness for roof design.

**COMPLIANCES**
- ASTM C1289 Type I, Class 1
- Factory Mutual (Class 1)
- UL Fire Rated Assemblies
- Miami Dade County
- Florida Product Approval
- IBC, IRC, IECC, ASHRAE 90.1
- UL 790 Class A
- UL 1256 Class A
- City of LA
- CA Insulation Directory

**Thermaroof® Plus-3**
This heavy-duty, aluminum foil faced roofing insulation is ideal for use in constructions utilizing metal panel roofing systems.

**COMPLIANCES**
- ASTM C1289 Type I, Class 1 and 2
- Factory Mutual (FM)
- IBC, IRC, IECC, ASHRAE 90.1
- City of LA
- CA Insulation Directory
Ultra-Max® and Tapered Ultra-Max®

These energy reducing thermal insulations have inorganic polymer coated glass fiber mat facers. They are suitable for use in constructions utilizing built-up, modified bitumen and mechanically attached single ply.

Tapered Ultra-Max® improves roof drainage as designed, with standard slopes of 1/8”, 1/4” or 1/2” per foot. Tapered systems utilize flat Ultra-Max® to build up thickness for system design.

Re-Cover Board-3

Re-Cover Board-3 provides improved energy efficiency to many retrofit applications and comes with either glass fiber/organic mat (GRF) or coated glass fiber (CGF) facers. It may be used in recover type applications where the existing roof system, including the deck below, is still sound and firmly attached.

COMPLIANCES

- ASTM C1289 Type II, Class 2
- Factory Mutual (Class 1)
- UL Fire Rated Assemblies
- Miami Dade County
- Florida Product Approval
- IBC, IRC, IECC, ASHRAE 90.1
- UL 790 Class A
- UL 1256 Class A
- City of LA
- CA Insulation Directory

Thermal Properties / LTTR Values¹

<table>
<thead>
<tr>
<th>Product</th>
<th>Nominal Thickness</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1.00&quot;</td>
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<tr>
<td>Nailable Base-3³</td>
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<tr>
<td>Multi-Vent Nailable Base-3⁴</td>
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<tr>
<td>Multi-Max® FA-3³</td>
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</tr>
<tr>
<td>Tapered Thermaroof®-3¹</td>
<td>5.7</td>
</tr>
<tr>
<td>Ultra-Max®⁵¹</td>
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</tr>
<tr>
<td>Tapered Ultra-Max®⁵¹</td>
<td>5.7</td>
</tr>
<tr>
<td>Thermaroof® Plus-3²</td>
<td>6.0</td>
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<tr>
<td>Re-Cover Board-3¹</td>
<td>5.7</td>
</tr>
</tbody>
</table>

¹LTTR values are determined in accordance with CAN/ULC-S770. LTTR predicts a 15-year, time-weighted average.
²Thermal values are determined by using ASTM C518 test method at 75°F mean temperature on material conditioned according to PIMA Technical Bulletin No. 101.
³Includes 7/16” OSB.
⁴The values shown are for the foam portion only.
Visit www.rmax.com for a complete list of thicknesses and packaging information.
“With the ECOMAXci™ Wall Solution including R-SEAL 6000 flashing, even with extensive time exposed to the elements, I found that the seams were still flat and providing a watertight seal. I have now taken an estimation position with a new company and I’m always trying to push the ECOMAXci™ system over their competitors. My field experience has given me the utmost confidence in a system that when installed properly will not result in expensive call backs.”
— Edgar Boettcher, Atlantic Coast Waterproofing

<table>
<thead>
<tr>
<th>Rmax Accessories</th>
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<tbody>
<tr>
<td><strong>Tapes and Flashing</strong></td>
</tr>
<tr>
<td><strong>R-SEAL 3000 / 3000W</strong></td>
</tr>
<tr>
<td>Tape for Insulation Solution Joints</td>
</tr>
<tr>
<td>• 2mil aluminum foil</td>
</tr>
<tr>
<td>• Acrylic adhesive</td>
</tr>
<tr>
<td>• 4” width</td>
</tr>
<tr>
<td>• Specifically designed for cold weather conditions</td>
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<tr>
<td><em>R-SEAL 3000W - 2 mil white aluminum foil</em></td>
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<tr>
<td><strong>R-SEAL 6000</strong></td>
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<tr>
<td>Flashing for Windows, Doors &amp; Penetrations</td>
</tr>
<tr>
<td>• 35mil polyethylene membrane</td>
</tr>
<tr>
<td>• Butyl rubber adhesive</td>
</tr>
<tr>
<td>• 9” and 12” widths</td>
</tr>
<tr>
<td>• Self-sealing</td>
</tr>
</tbody>
</table>

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**With the ECOMAXci™ Wall Solution including R-SEAL 6000 flashing, even with extensive time exposed to the elements, I found that the seams were still flat and providing a watertight seal. I have now taken an estimation position with a new company and I’m always trying to push the ECOMAXci™ system over their competitors. My field experience has given me the utmost confidence in a system that when installed properly will not result in expensive call backs.”
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<tr>
<td><strong>Insulation Clips</strong></td>
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<tr>
<td><strong>Quick Clip</strong></td>
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<tr>
<td>PVC retaining system providing a white finish at the joints.</td>
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<tr>
<td><strong>Flex-Tite J-Channel</strong></td>
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<tr>
<td>PVC retaining system to finish all terminations, horizontal and vertical, including window and door frames.</td>
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</table>
A Better Insulation Solution

Rmax product solutions and our technical support team can help Architects, Designers and Specifiers meet the requirements of today’s codes and plan for tomorrow. The ideal solution, which provides maximum efficiency, durability and protection at the lowest cost.

ECOMAXci™ Wall Solution
Continuous Insulation for Exterior Walls

Rmax ECOMAXci™ is installed continuously to reduce thermal bridging and meet R-value requirements with a thinner profile. This wall solution blocks air and moisture, is lightweight and easy to install - all contributing to a overall savings. Combined with Rmax tape and flashing, this solution has been tested to meet stringent fire code requirements as well as air and water barrier standards for the most effective, efficient building envelope design.

R-Trac HVHZ System
High Wind Solution

The “dry seal” R-Trac HVHZ system is a continuously insulated wall solution for High Velocity Hurricane Zones, which meets Florida Building Code Requirements. This one of a kind system is fabricated and installed by Altech Panel Systems, featuring Rmax ECOMAXci™ Wall Solution and Alpolic composite material by Mitsubishi Plastics Composites America Inc. An ACM Pressure Equalized Rainscreen (PER) cladding is attached directly to Rmax ECOMAXci™, providing continuous insulation with no additional sheathing, water or air barrier materials.

The R-Trac HVHZ system helps defend against damage caused by high winds such as hurricanes, tornadoes and high wind storms. The system has been tested to withstand wind speeds of up to 200 mph, which can help combat a category 3 hurricane or F3 tornado.

ECOBASEci™

Rmax ECOBASEci™ with the plywood to the exterior provides a continuous layer of thermal insulation and a suitable substrate for the mechanical attachment of many different kinds of cladding systems available in the market today. This energy-efficient thermal insulation board has been tested for multiple NFPA 285 assemblies and is approved for use in exterior walls of buildings of any height. ECOBASEci™ offers a thinner profile, while meeting R-value requirements – reducing energy and labor costs.

Rmax has an exceptional technical team - an Architect, Building Envelope and Building Science Specialists, as well as, licensed Professional Engineers - providing experience and expertise throughout the project, from design to construction.
For warranties, limitations and conditions refer to Rmax Sales Policy and applicable warranties. All documents are located at www.rmax.com. For technical and sales support, email rmax@rmax.com or call (800) 527-0890.

Proudly Made and Engineered in the U.S.A.

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Phone: 972-387-4500  
Fax: 972-387-4673  
Toll Free: 1-800-527-0890

E-mail us at rmax@rmax.com or visit our website www.rmax.com