Residential Insulation Products
Delivering Superior Building Performance for Residential Construction

Improving Your Design.
Delivering Superior Performance

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.

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 envelope all while adding to the bottom-line through both material and labor savings - making Rmax an excellent choice for residential construction.

“I really appreciate your time today and wealth of information you provided regarding my crawl space project... you are super helpful and more knowledgeable than anyone else I’ve spoken to on this subject.”

– Do-it-yourselfer
Changes in the residential building code are driving home builders to re-think their approach to improving energy performance. Traditional equipment upgrades to meet codes are both costly and require routine maintenance and replacement. However, insulation lasts throughout the life of the home offering energy savings, comfort and value to homeowners.

Rmax “Envelope First” Energy Solution creates a simpler, more durable and cost-effective building enclosure solution for any home, in any climate.

We offer a complete line of wall, roof and foundation solutions - providing superior insulation performance.

All The Reasons Why Polyiso Is The Only Choice For Continuous Insulation

- Low environmental impact
- CFC, HCFC and HFC-free blowing agent
- Cost effective, optimized energy performance
- Long service life
- Recyclable through reuse
- Meets new continuous insulation (ci) standards
- High R-value per inch of thickness
- Thinner walls and roofs with shorter fasteners
- Excellent fire test performance
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. It is also an integral piece to maintaining the continuous insulation solution, when Thermasheath®-SI is used as intermittent bracing.

R-Matte® Plus-3
R-Matte® Plus-3 is a versatile multi-application product, with a durable white-matte (non-glare) reinforced aluminum facer and a reflective reinforced aluminum facer. This thermal insulation is designed for use in cavity walls, masonry walls, vaulted ceilings and many other building envelope continuous insulation applications. R-Matte® Plus-3 is an excellent choice for many do-it-yourself applications to add insulation value to any project.
Durasheath®-3
Offers energy performance and superior durability with its non-metallic, inorganic polymer coated glass fiber mat facers. It is intended for use in exterior walls with stucco veneer, concrete sandwich panels and many other building envelope applications, including those where an impermeable foil faced product is not desired.

**COMPLIANCES**
- ASTM C1289 Type II, Class 2
- UL Fire Rated Assemblies
- CA Title 24
- IBC, IRC, IECC, ASHRAE 90.1
- Air Barrier Material

### Thermal Properties / R-Values

<table>
<thead>
<tr>
<th>Product</th>
<th>Nominal Thickness / Thermal Values¹</th>
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<tbody>
<tr>
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<tr>
<td>Thermasheath®-3</td>
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<tr>
<td>R-Matte® Plus-3</td>
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<tr>
<td>Durasheath®-3</td>
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</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.
Visit www.rmax.com for a complete list of thicknesses and packaging information.
WALL AND CEILING PRODUCTS

**Thermasheath®-SI**

Thermasheath®-SI is a composite product made up of energy-efficient insulation and a structural component, and is designed to work seamlessly with non-structural Rmax Thermasheath®-3. The insulation component is a closed-cell polyiso foam bonded to reflective, reinforced aluminum facers. The structural component is a board made up of pressure laminated plies of cellulosic fibers specially treated with a water-resistant adhesive.

Thermasheath®-SI is suitable for use in residential wood stud construction. Furthermore, with 1/2” interior gypsum, it is designed to be a one-to-one substitute for wood sheathing in shear wall resistance.

**COMPLIANCES**

- ASTM C1289 Type I, Class 1
- DrJ TER 1207-01
- Structural Shear Wall Testing
- Water-Resistive Barrier (WRB)
- IBC, IRC, IECC, ASHRAE 90.1
- UL Fire Rated Assemblies
- Air Barrier Material
- CA Title 24

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**ThermaBase-CI™**

This superior thermal insulation board is a composite product manufactured with Rmax Thermasheath®-3 or Rmax Durasheath®-3 as the insulation layer bonded to a nailing surface.

The standard nailing surface for ThermaBase-CI is 7/16” OSB (APA rated). Alternate nailing surfaces, such as 5/8” or 3/4” OSB or CDX plywood, are available upon request. ThermaBase-CI™ is engineered to allow for normal expansion of the wood without gapping the insulation layer.

**COMPLIANCES**

- ASTM C1289 Type V
- UL Fire Rated Assemblies
- CA Title 24
- IBC, IRC, IECC, ASHRAE 90.1
- Air Barrier Material
Thermasheath®-XP

Rmax Thermasheath®-XP has a closed-cell polyiso foam core, bonded on both sides to highly durable, embossed aluminum facers. One side is white with a modified acrylic coating and the other side has a clear coating for a silver, reflective finish. Either side can be left exposed up to 4.5” on walls or 12” on ceilings - offering visual flexibility and value.

This insulation is ideal for basements, crawls spaces and many other continuous insulation applications. Thermasheath®-XP is designed for use without a thermal barrier to provide an attractive interior finish.

**COMPLIANCES**

- ASTM C1289 Type I, Class 1
- DrJ TER 1309-03
- Class A Flame Spread
- Air Barrier Material
- IBC, IRC, IECC, ASHRAE 90.1
- UL Fire Rated Assemblies
- Exposure Rated
- CA Title 24

**Continuous Insulation for Exposed Use**

**Thermal Properties / R-Values**

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<tr>
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<tr>
<td>Thermasheath®-SI</td>
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<td>ThermaBase-Cl™</td>
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<tr>
<td>Thermasheath-3²</td>
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<td>Thermasheath®-XP</td>
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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.
2Includes 7/16” OSB.

Visit www.rmax.com for a complete list of thicknesses and packaging information.
**Nailable Base-3**
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 Title 24
- IBC, IRC, IECC, ASHRAE 90.1
- City of LA

**Vented Nailable Base-3**
Vented Nailable Base-3 is a composite panel with glass fiber/organic mat faced polyiso insulation bonded to furring strips and a 7/16” OSB nailing surface. The solid wood furring strips come in 3/4” to 2” thicknesses for straightline venting from the soffit to the ridge.

Great for preventing heat build-up and helps remove moisture as airflow is provided under the OSB and shingles.

**COMPLIANCES**
- ASTM C1289 Type V
- CA Title 24
- IBC, IRC, IECC, ASHRAE 90.1

**Advantage Vented Nailable Base-3**
In this two-step Vented Nailable Base-3 system, the insulation with glass fiber/organic mat facers is installed first, followed by a separate OSB nailing surface with factory attached furring strips.

Advantage Nailable Base-3 is used in steep slope roofing applications and is applied to the roof structure in order to provide a layer of continuous thermal insulation and increased moisture protection.

**COMPLIANCES**
- ASTM C1289 Type V
- CA Title 24
- IBC, IRC, IECC, ASHRAE 90.1
Multi-Vent Nailable Base-3
This energy-efficient composite insulation utilizes solid OSB 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 to meet enhanced multi-directional venting requirements.
Superior for use in residential steep slope roofing applications.

COMPLIANCES
• ASTM C1289 Type V
• IBC, IRC, IECC, ASHRAE 90.1

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<tr>
<td>Advantage Vented Nailable Base-3³</td>
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<tr>
<td>Multi-Vent Nailable Base-3³</td>
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²LTTR values are determined in accordance with CAN/ULC-S770. LTTR predicts a 15-year, time-weighted average.
³Includes 7/16” OSB.
³The values shown are for the foam portion only.
Visit www.rmax.com for a complete list of thicknesses and packaging information.
“Thanks again for all your help, I sincerely appreciate it. This type of customer service is unheard of now a days.”

— Homeowner

Rmax Accessories

Rmax residential tapes complete any project for a continuously insulated water and air barrier solution. They are designed to maximize compatibility with Rmax foam sheathing and have been fully tested for superior performance.

<table>
<thead>
<tr>
<th>R-SEAL 3000</th>
<th>R-SEAL 3000W</th>
<th>R-SEAL Construction Tape</th>
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</thead>
<tbody>
<tr>
<td>2mil aluminum foil</td>
<td>2mil white aluminum foil</td>
<td>3mil white translucent OPP Film</td>
</tr>
<tr>
<td>Acrylic adhesive</td>
<td>Acrylic adhesive</td>
<td>Acrylic adhesive</td>
</tr>
<tr>
<td>4” width</td>
<td>4” width</td>
<td>3” width</td>
</tr>
</tbody>
</table>

Product Benefits

- Tough and durable
- Strong bond for weather-tight seals
- UV Resistant for long term performance
- Specifically designed for cold weather conditions
- Mold and moisture resistant
- Hand tearable for ease of use
- Component of the air barrier solution
- Component of the water-resistive barrier solution
A Better Insulation Solution: Rmax Residential Solution

Rmax product solutions and our technical support team can help builders, designers and Engineers meet the requirements of today’s codes and plan for tomorrow. This ideal solution provides maximum efficiency, durability and protection at the lowest cost.

Thermasheath®-SI
Structural Insulation for Exterior Walls
This 4-in-1 approach saves builders time and money on installation and offers a flexible design as it can be used continuously across the entire wall or as intermittent bracing panels in conjunction with Rmax Thermasheath®-3.

This single building product meets four code requirements in one:

- Structural Bracing
- Thermal Resistance (R)
- Air Barrier
- Water Barrier

Thermasheath®-SI creates a clean consistent look to homes under construction while reducing material and labor costs. It replaces other structural bracing methods, as well as house wrap and other independent air barrier systems with only one pass around the house.

ThermaBase-CI™
Continuous Insulation for Exterior Walls
Rmax ThermaBase-CI is applied to wood framing with the insulation to the interior and wood to the exterior in order to provide a continuous layer of thermal insulation and a suitable substrate for the mechanical attachment of many different kinds of cladding systems.

ThermaBase-CI™ is ideal for use in stud construction, new or retrofit, where a substrate is needed to support the cladding. This allows for optimum efficiency through multiple design options, ease of construction, a better building envelope and reduced energy usage. Providing a direct impact on the savings throughout the life of the building, ThermaBase-CI™ is an excellent choice for exterior residential wall design.

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.

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