



BUILDING TRUST

A photograph of a modern commercial building under construction. The building has a yellow facade on the left side and is covered in white Rmax polyiso insulation on the right side. Large glass windows are visible. The sky is blue with some clouds. In the foreground, there is a yellow banner with text.

**SUPERIOR.  
RESISTANT.  
VERSATILE.**

**High-Performance Rmax<sup>®</sup> Polyiso Insulation  
Products & Solutions for Commercial Applications**

For more than 35 years, Rmax has been creating insulation solutions based on the latest building science. Our complete line of premium polyiso-based products 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 at the forefront, manufacturing tested, engineered solutions that serve Architects, builders, owners and occupants alike.

Our people understand the diverse markets that utilize our products, making their integrity and responsiveness work to your advantage. With our manufacturing plants and sales offices coast-to-coast, we stand ready to serve you.

Rmax polyiso insulation solutions are designed and tested to provide building envelopes with superior insulating protection while meeting the newest codes and requirements.

# POLYISO CONTINUOUSLY PERFORMS

- Backed by over 35 years of expertise
- Satisfies ASHRAE 90.1 and IECC continuous insulation (c.i.) requirements
- Easy, efficient installation
- Lightweight, easy-to-handle materials
- Meets R-value requirements with a thinner profile than XPS, EPS or mineral wool
- Thinner profile leads to shorter fasteners
- Durable compressive strength
- Closed-cell foam
- Air Barrier
- Water-Resistive Barrier options
- Various facers
  - Mold resistant
  - Radiant barrier
  - Gastight
- Low environmental impact
- Utilizes a CFC, HCFC and HFC free blowing agent:
  - Zero Ozone Depletion Potential (ODP)
  - Negligible Global Warming Potential (GWP)

NEBRASKA FURNITURE MART  
The Colony, Texas

# POLYISO CONTINUOUS INSULATION PRODUCTS & SOLUTIONS



## ECOMAXci® FR Air Barrier

### Exterior Walls

Bonded to glass fiber reinforced aluminum facers on both sides - offering enhanced durability, dimensional stability and fire performance. The exposed board side is a 12mil facer with clear coating for limited protection against oxidation providing enhanced radiant heat protection.

### PRODUCT BENEFITS

- ABAA evaluated air barrier
- Passes NFPA 285 without exterior gypsum
- Approved water-resistive barrier (WRB)
- Protects against moisture
- Mold resistant
- Reduces construction schedules
- Material and labor savings
- Eliminates thermal bridging



### COMMERCIAL APPLICATIONS

- Exterior walls (Type I-IV)
  - Masonry
  - Steel stud
  - Fire retardant treated wood stud

### KEY COMPLIANCES

- ASTM C1289 Type I, Class 1 and 2
- ASHRAE 90.1 and IECC
- DrJ TER 1212-03
- NFPA 285
- Class A Flame Spread
- UL 263, Time Rated Assemblies

### Approved Component For Use In:

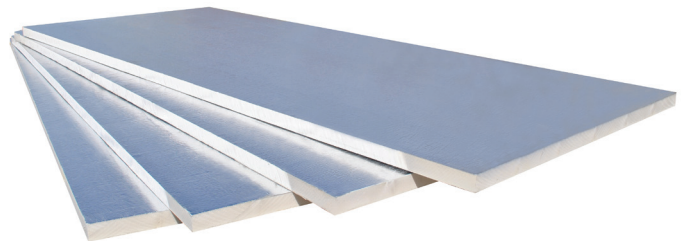
- ECOMAXci® Wall Solution
- R-Trac HVHZ System

A Pressure Equalized Rainscreen (PER) wall assembly system, helping defend against damage caused by heavy winds, such as hurricanes, tornadoes, and high wind storms. It is ideal for the progressive architect and owner who are mindful of the energy footprint they develop.

## ECOMAXci® FR

### Exterior Walls & Interior

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



### PRODUCT BENEFITS

- Air barrier material
- Reduces heat loss
- Durable interior finish
- Facer acts as a radiant barrier
- Mold resistant

### COMMERCIAL APPLICATIONS

- Exterior walls (Type I-IV)
  - Masonry
  - Steel stud
  - Fire retardant treated wood stud
- Farm or storage buildings
- Pre-engineered metal buildings
- Parking structures
- Laminate panels

### KEY COMPLIANCES

- ASTM C1289 Type I, Class 1 and 2
- ASHRAE 90.1 and IECC
- DrJ TER 1309-03
- NFPA 285
- Exposure Rated (UL1715/NFPA 286)
- UL 263, Time Rated Assemblies

## ECOMAXci® FR Ply

### Cladding Attachment on Exterior Walls

A composite product of polyiso insulation with glass fiber reinforced aluminum facers on both sides. The polyiso board is bonded to 5/8" or 3/4" fire retardant treated plywood (FRTTP).

#### PRODUCT BENEFITS

- Passes NFPA 285 without exterior gypsum
- Air barrier material
- Eliminates air infiltration
- Provides a suitable substrate for cladding attachments
- Eliminates heat loss through studs

#### COMMERCIAL APPLICATIONS

- Exterior walls (Type I-IV)
  - Masonry
  - Steel stud
  - Fire retardant treated wood stud

#### KEY COMPLIANCES

- ASTM C1289 Type V
- ASHRAE 90.1 and IECC
- DrJ TER 1811-02
- NFPA 285
- Class A Flame Spread



#### Cladding Attachment Solution

This thermal continuous insulation is applied to fire retardant treated wood studs or metal framing with the fire retardant treated plywood to the exterior in order to provide a suitable substrate for cladding attachments. This energy-efficient insulation board has been tested within multiple NFPA 285 assemblies and is approved for use in exterior walls of buildings of any height.

## ECOMAXci® Ply

### Cladding Attachment on Exterior Walls

A composite product of polyiso insulation with inorganic, polymer coated glass fiber mat facers bonded to 5/8" or 3/4" fire retardant treated plywood (FRTTP).



#### PRODUCT BENEFITS

- Air barrier material
- Eliminates air infiltration
- Provides a suitable substrate for cladding attachments
- Eliminates heat loss through studs

#### COMMERCIAL APPLICATIONS

- Exterior walls (Type I-IV)
  - Masonry
  - Steel stud
  - Fire retardant treated wood stud

#### KEY COMPLIANCES

- ASTM C1289 Type V
- ASHRAE 90.1 and IECC
- DrJ TER 1504-04
- NFPA 285
- Class A Flame Spread
- UL 263, Time Rated Assemblies



**TSX-8510**  
Exposed Interior Use

Designed for use without a thermal barrier (up to 4.5" on walls or 12" on ceilings). The exposed side of the board has a white modified acrylic coating.

**PRODUCT BENEFITS**

- Air barrier material
- Reduces heat loss
- Durable interior finish
- Facer acts as a radiant barrier
- Mold resistant

**COMMERCIAL APPLICATIONS**

- Pre-engineered metal buildings
- Tilt-up construction
- Wood stud basement & crawl spaces
- Farm or storage buildings
- Parking structures
- Laminate panels & other similar applications

**KEY COMPLIANCES**

- ASTM C1289 Type I, Class 1 and 2
- ASHRAE 90.1 and IECC
- DrJ TER 1309-03
- Exposure Rated (UL1715/NFPA 286)
- UL 263, Time Rated Assemblies



**Durasheath®**  
Building Envelope Insulation

Offers energy performance and superior durability with its non-metallic, inorganic polymer coated glass fiber mat facers.

**PRODUCT BENEFITS**

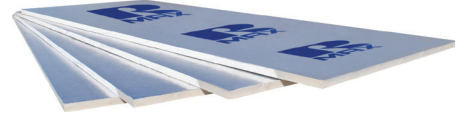
- Air barrier material
- Reduces heat loss
- Blocks air and moisture
- Strong facer withstands additional wear and tear
- Mold resistant

**COMMERCIAL APPLICATIONS**

- Exterior walls (Type I-IV)
  - Masonry
  - Steel stud
  - Fire retardant treated wood stud
- Wood stud (Type V)

**KEY COMPLIANCES**

- ASTM C1289 Type II, Class 2
- ASHRAE 90.1 and IECC
- DrJ 2202-02
- Exposure Rated (ICC-ES AC12 Appendix B)
- UL 263, Time Rated Assemblies



**Thermasheath®**  
Building Envelope Insulation

The lightweight thermal insulation board has reinforced aluminum facers with clear coating for limited protection against oxidation on each side.

**PRODUCT BENEFITS**

- Air barrier material
- Easy and efficient installation
- Reduces energy costs
- Reduces labor / material costs
- Mold resistant

**COMMERCIAL APPLICATIONS**

- Exterior walls (Type I-IV)
  - Masonry
  - Steel stud
  - Fire retardant treated wood stud
- Wood stud (Type V)
- Exterior ducting

**KEY COMPLIANCES**

- ASHRAE 90.1 and IECC
- DrJ TER 1309-03
- Water-Resistive Barrier (WRB)
- Exposure Rated (ICC-ES AC12 Appendix B)
- UL 263, Time Rated Assemblies



**ECOMAXCI® WALL SOLUTION PROJECT PROFILE**

UCSF Benioff Children's Hospital, Outpatient Center

The six-story, 88,000 sq. ft. addition to UCSF Benioff Children's Hospital's Oakland campus includes five floors of clinic space, exam & treatment rooms & labs.

BAF Specialty, Inc. used ECOMAXci® Wall Solution to help achieve goals set by the design team to have an energy efficient building while achieving a LEED Silver rating. It is a full building envelope solution that not only gives the hospital one of the highest R-value of any rigid foam, but also qualifies as an air and water-resistive barrier (WRB).

“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**



## Insulation Accessories

### TAPES & FLASHING

#### R-SEAL 3000 / 3000W

Tape for Insulation Solution Joints

- 2mil aluminum foil (reflective or white)
- Acrylic adhesive
- 4" width
- ABAA evaluated and listed
- Specifically designed for cold weather conditions

#### R-SEAL 6000

Flashing for Windows, Doors & Penetrations

- 35mil polyethylene membrane
- Butyl rubber adhesive
- 9" and 12" widths
- ABAA evaluated and listed
- Self-sealing

#### R-SEAL 2000 LF

Liquid Flashing

- ABAA evaluated and listed
- Primerless adhesion
- UV and weather resistant
- Effortless to spread/trowel

### FASTENERS

#### 2" THERMAL-GRIP CI WASHER AND GRIP-DECK SCREWS

- Steel stud construction
- Exterior applications
- Solid washer for preventing air and water leakage, pronged for pre-spotting
- Ceramic coated screws for corrosion resistance

#### 1 3/4" PLASTI-GRIP CI WASHER AND GRIP-DECK SCREWS

- Wood or steel stud construction
- Interior applications
- Key-holed washer, pronged for pre-spotting
- Ceramic coated screws for corrosion resistance

#### THERMAL-GRIP SYSTEM

- Concrete, block/CMU, tilt-wall construction
- Insulation pins and pinner tool
- Interior and exterior applications

### NAILBOARD FASTENERS

#### LIGHT DUTY (LD) DRILL POINT

Attaching panels to corrugated steel (22-18GA)

#### HEAVY DUTY (HD) DRILL POINT

Attaching panels to thick steel (16GA-3/16")

#### THREAD POINT (TP) GIMLET

Attaching panels to wood and timber



SIPLD



SIPHD



SIPTP

### PVC INSULATION CLIPS

#### QUICK CLIP

Retaining system



#### FLEX-TITE

Two-part interlocking retaining system



#### FLEX-TITE J-CHANNEL

Retaining system to finish all terminations



# NEXT GENERATION AIR & WATER BARRIER

## ECOMAXCI® WALL SOLUTION All-In-One Exterior Wall System

The ECOMAXCI® Wall Solution is a fully tested solution engineered to optimize continuous insulation, while satisfying fire, air and water code requirements. The solution is composed of the ECOMAXCI® FR Air Barrier thermal insulation board, along with Rmax branded tape and flashing and your choice of fiberglass, stone/mineral wool or no cavity fill. Together, these elements have been tested to meet fire performance, air infiltration and moisture resistance standards for a more effective, efficient building envelope design.

### Solution Meets

- NFPA 285 criteria without exterior gypsum board
- NFPA 285 criteria without mineral wool fire-stops around openings
- ABAA criteria for an air barrier assembly
- ICC-ES Acceptance Criteria for WRB

### Overall Savings

- Eliminates exterior gypsum
- Eliminates building wraps
- Eliminates membranes and other WRB's
- Fewer and lighter materials
- Faster dry-in time

## HIGH WIND SOLUTION. R-TRAC HVHZ SYSTEM.

For Use In High Velocity Hurricane Zones

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

### HOW DOES IT WORK

The ACM Pressure Equalized Rainscreen cladding is attached directly to Rmax ECOMAXCI® FR Air Barrier providing continuous insulation with no additional sheathing, water or air barrier materials.

### SYSTEM INCLUDES

- Rmax ECOMAXCI® FR Air Barrier thermal insulation board
- Rmax R-SEAL 3000 tape and R-SEAL 6000 flashing
- Altech Panel System's patented Accu-Trac® aluminum composite wall panel system
- Alpolc Composite Material, ACM and MCM, panels





# DON'T LET MOISTURE RUFFLE YOUR FEATHERS

## RMAX® BELOW GRADE INSULATION AND PROTECTION BOARD



All building foundations come in contact with the ground. Wherever a building is located, water, temperature, air and soil on the foundation can impact the performance and integrity of the total structure. Continuous polyiso rigid foam insulation is an effective way to reduce foundation energy loss and protect against moisture problems.

Rmax® Below Grade insulation and protection board delivers a high R-value per inch, excellent moisture resistance and superior foundation protection - all in one solution for below-grade exterior walls.

## ALWAYS **RELIABLE.** INCREDIBLY **EFFICIENT**

### Rmax® Below Grade Insulation & Protection Board

#### DURABLE FACER, ADDED PROTECTION

Rmax® Below Grade has a high-strength, water-shedding facer for added foundation protection.

#### ACHIEVES THERMAL PERFORMANCE

Higher R-value per inch compared to XPS & other insulation. Rmax® Below Grade meets requirements with a thinner profile.

#### RESISTS WATER ABSORPTION

The closed-cell & closed matrix of Rmax® Below Grade foam board meets water absorption requirements, with less than 0.3% absorption.

#### HIGH COMPRESSIVE STRENGTH

At 25 psi, Rmax® Below Grade resists pressures from soil loads that act on the foundation wall, while maintaining superior thermal performance.



## FAMILIAR PROCESS. LESS MATERIAL.



Rmax® Below Grade uses the same installation method with **LESS** material, **MORE** protection

TRUSTED STANDARDS. TRUSTED PRODUCTS.

RMAX IS CERTIFIED  
**CLEAN AIR GOLD**

Proves our credibility in providing **SAFE, RELIABLE,**  
and **ECO-CONSCIOUS** polyiso insulation products.



CERTIFIED  
CLEAN AIR GOLD

Becoming Certified ensures our polyiso insulation products are manufactured to maintain a minimum concentration level of Volatile Organic Compounds (VOC) emissions. This creates more sustainable products with the health and safety of consumers, space inhabitants, and builders/fabricators in mind.

**WE'VE GOT YOU COVERED. SIKA® ROOFING SYSTEMS.**

Sika® offers a complete line of high-quality polyiso roof products and systems that provide long-term, water-tight protection no matter what your project's specific needs are. When it comes to maximum R-values, energy savings, and installation efficiency, Sika® roofing systems have you covered.

Warranties, limitations and conditions refer to Rmax Sales Policy and applicable warranties.  
All documents are located at [www.rmax.com](http://www.rmax.com).

Sales support, pricing and availability, email [rmax@rmax.com](mailto:rmax@rmax.com) or call (800) 527-0890.  
Technical support, email [rmax.technical@us.sika.com](mailto:rmax.technical@us.sika.com).



**Rmax®, A Business Unit of Sika Corporation**

Manufacturing Plant Locations

13524 Welch Rd.	1649 S. Batesville Rd.	210 Lyon Dr.
Dallas, TX 75244	Greer, SC 29650	Fernley, NV 89408
972-387-4500	864-297-1382	775-575-4849



BUILDING TRUST

