

# ECOMAX<sup>ci</sup> WALL SOLUTION

Rmax: A Better Insulation Solution



**SOLUTIONS**  
*MAXimum Control in Efficient Design*

# Rmax: Better Insulation Solutions

Since 1978, Rmax has been manufacturing commercial, industrial and residential Polyiso insulation products, and providing engineered solutions for enhanced energy efficiency. Our newest Rmax building solution, featuring ECOMAXci continuous insulation, is just one more example of our industry leadership in action.

Combining our proven, popular thermal insulation board with our own branded tape and flashing – the ECOMAXci Wall Solution provides a ready-made answer to fire, air and water, in addition to thermal efficiency for exterior commercial wall designs.

## Why Specify ECOMAXci Polyiso:

- Satisfies ASHRAE 90.1 and IECC continuous insulation (c.i.) requirements
- 15-year limited thermal warranty
- Easy, efficient installation
- Lightweight, easy-to-handle materials
- Meets R-value requirements with a thinner profile than XPS
- 25 psi compressive strength
- Mold resistant
- Reflective facer acts as a radiant barrier
- Helps qualify for LEED credits
- Utilizes a CFC, HCFC and HFC free blowing agent that has zero Ozone Depletion Potential (ODP) and negligible Global Warming Potential (GWP)
- North American distribution and beyond...



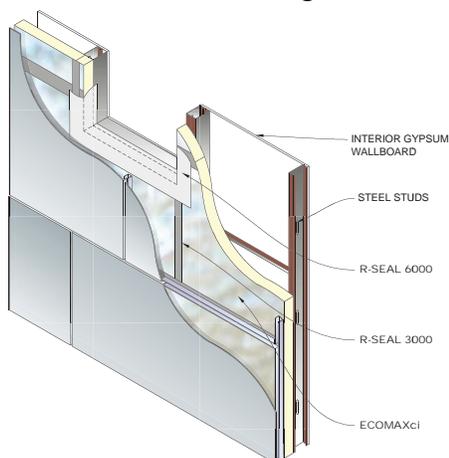
## Why the ECOMAXci Wall Solution Makes Sense:

- Current building codes require exterior commercial wall designs that achieve fire, air and water performance in addition to c.i.
- Achieving fire, air and water performance to code all require separate assembly tests
- Components must be compatible and tested together to pass assembly tests, and substitution of components is **not** allowed
- The ECOMAXci Wall Solution is engineered to optimize continuous insulation, while satisfying fire, air and water code requirements
- **Meets NFPA 285 criteria without exterior gypsum board or mineral wool fire-stops around all header openings**
- Meets ABAA criteria for an Air Barrier Assembly
- Meets ICC-ES Acceptance Criteria for Water-Resistive Barrier
- Approved Rmax assemblies include the option of fiberglass, stone/mineral wool or no cavity insulation
- Material savings are achieved by eliminating secondary barriers (fire, air, water)
- Due to fewer and lighter materials, a faster dry-in time allows for reduced construction schedules and labor costs
- Backed by over 30 years of Rmax expertise and knowledge
- Covered by the ECOMAXci Wall Solution limited warranties
- The only insulation/sheathing approved for the High Velocity Hurricane Zone system, R-Trac (HVHZ)



## Meeting an Industry Need

Building codes in many states now require continuous insulation. However, assembling the right combination of insulation and sealing techniques in a tested, warranted solution can be a challenge.



## ECOMAXci

Key Compliances/Testing	
<b>Continuous Insulation</b>	ASHRAE 90.1 IECC 2012
<b>Fire</b>	ASTM E84 Class A NFPA 259 NFPA 285 ANSI/UL 263
<b>Air</b>	ASTM E2178 ASTM E2357 CAN/ULC-S742 (A1)
<b>Water/Moisture</b>	AATCC Test Method 127 ASTM E96
<b>HVHZ</b> <small>*R-Trac HVHZ system</small>	TAS 201, 202, 203 ASTM E1886 and E1996 Florida Building Code #FL16406

### Thermal Properties

"R" means resistance to heat flow. The higher the R-value, the greater the insulating power.

Nominal Thickness	Thermal R-Value <sup>1</sup>
Inches	°F.ft <sup>2</sup> .hr/Btu
1.00	6.5
1.50	10.0
2.00	13.1
2.50	16.7
3.00	20.3
3.50	23.9
4.00	27.4
4.50	31.0

<sup>1</sup> Thermal 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/resources.asp](http://www.rmax.com/resources.asp) for a complete list of thicknesses and packaging information.

## The ECOMAXci Wall Solution Puts It All Together

The Rmax solution for commercial exterior walls includes: ECOMAXci 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.

### ECOMAXci

- Thermal insulation
- Closed-cell Polyiso foam core with heavy duty 10mil interior and 12mil exterior glass fiber reinforced aluminum foil facers
- Provides continuous insulation reducing thermal bridging

### R-SEAL 3000

- Joint tape
- Aluminum foil with acrylic pressure sensitive adhesive
- Seals insulation joints to make the air and water barrier continuous across the studs

### R-SEAL 6000

- Flashing tape
- Self-sealing polyethylene membrane with butyl rubber adhesive
- Provides flashing around doors, windows and penetrations to complete the air and water barrier for the entire wall assembly

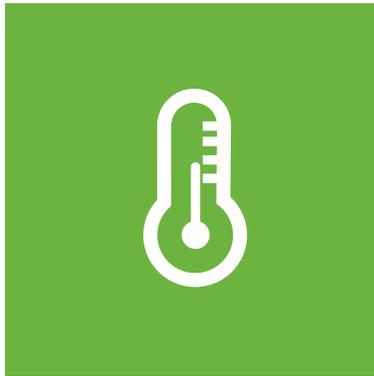
## Ask About the ECOMAXci Wall Solution for Exterior Commercial Walls Today

Why sacrifice time, money and design integrity insulating your structure in any other way? Talk to your Rmax Solutions Specialist today and specify the customized, tested and warranted ECOMAXci Wall Solution on your next project.

**Rmax provides superior technical support at: [solutions@rmax.com](mailto:solutions@rmax.com) or call 1-800-527-0890**

DISCLAIMER: For warranty information, refer to the Rmax "Sales Policy". For pricing information, please contact the plant location nearest you.

Surround your building.



Support your design.

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