

Continuous Insulation for Exterior Walls

PRODUCT DESCRIPTION

Rmax EVOMAXci is an energy-efficient thermal insulation board composed of a closed-cell polyisocyanurate (polyiso) foam core bonded to glass fiber reinforced aluminum foil facers on both sides. Glass fiber reinforcement on both faces of the board offer enhanced durability, dimensional stability and fire performance. The printed side, exposed to the exterior, has a robust 12mil facer with an aluminum reflective surface ensuring jobsite security and enhanced radiant heat protection. EVOMAXci utilizes a CFC, HCFC and HFC free blowing agent that has zero Ozone Depletion Potential (ODP) and negligible Global Warming Potential (GWP). This insulation has been tested in multiple NFPA 285 assemblies and is approved for use in exterior walls of buildings of any height, as described within the data sheet for EVOMAXci. EVOMAXci 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, EVOMAXci is an excellent choice for exterior commercial wall design.



PRODUCT BENEFITS

- Part of the overall design solution
- Installed continuously to reduce thermal bridging
- Meets R-value requirements with a thinner profile
- Blocks air and moisture
- Mold resistant per ASTM D3273 (no defacement)
- Reduces energy costs
- Reflective facer acts as a radiant barrier
- Lightweight and easy to install

- Reduces material and labor costs
- Tested per NFPA 285 without requiring exterior gypsum board or fire-stops around header openings
- Contributes toward LEED credits in the following categories:
 - Energy & Atmosphere
 - Materials & Resources

COMPLIANCES

- ASTM C1289 Type I, Class 1
- ASHRAE 90.1
- International Energy Conservation Code (IECC)
- International Building Code (IBC) Section 2603, Foam Plastic
- Tested per NFPA 285 to comply with Section 2603.5.5 of the IBC
- Class A Flame Spread and Smoke Developed Indices per IBC Chapter 8, Interior Finishes

THERMAL PROPERTIES/PRODUCT DATA

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

Nominal Thickness	Thermal R-Value ¹
Inches	°F•ft ² •hr/Btu
1.00	6.5
1.20	7.9
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

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. NOTE: EVOMAXci is shipped in bundles that are approximately 48 inches high and wrapped in plastic for easy handling.

Visit www.rmax.com for a complete list of thicknesses and packaging information.

TYPICAL PHYSICAL PROPERTIES

Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.

Property	Test Method	Results
Density, Overall, Nominal	ASTM D1622	2.0 pcf
Compressive Strength	ASTM D1621	25 psi
Flame Spread, Faced ¹	ASTM E84	25 or Less
Smoke Developed, Faced ¹	ASTM E84	< 450
Water Vapor Transmission	ASTM E96	< 0.03 perm
Water Absorption	ASTM C209	< 0.2% Vol.
Dimensional Stability	ASTM D2126, 7 days, 158°F, 98% RH	< 2% Linear Change
Reflectance Emittance	ASTM E408	0.96 0.04
Air Permeance	ASTM E2178	< 0.02 L/(s.m ²)
Service Temperatures		-40°F to +250°F

¹Flame spread and smoke numbers are shown for comparison purposes only and are not intended to represent the performance of EVOMAXci and related components under actual fire conditions.

LIMITATIONS

EVOMAXci is not intended for use on surfaces subject to continuous or intermittent immersion in water. EVOMAXci is not a structural panel. It must not be used as a nailing base for any other building products. Furthermore, stud walls insulated with EVOMAXci must be properly braced for lateral loads according to the requirements of local Building Codes.

WARNING

Polyiso foam is an organic material which will burn when exposed to an ignition source of sufficient heat and intensity and may contribute to flames spreading.

WARRANTY

See Rmax “Sales Policy” and “Fifteen Year Limited Thermal Warranty” for specific terms and conditions. Rmax does not assume any responsibility or liability for the performance of any products other than those sold by Rmax. **NOTE: All Rmax products must be tarped, placed on skids and kept dry before and throughout construction.**



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

Corporate & Technical Location

Rmax Operating, LLC
Dallas, Texas
972.387.4500
www.rmax.com

Customer Service & Plant Locations

Central Region
Dallas, Texas
800.527.0890 Ext.102

Eastern Region
Greer, South Carolina
800.845.4455 Ext. 156

Western Region
Fernley, Nevada
800.762.9462 Ext. 156

