

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 embossed 12mil facer with an aluminum reflective surface and clear coating for limited protection against oxidation ensuring jobsite security and enhanced radiant heat protection.

COMPLIANCES

- ASTM C1289 Type I, Class 1 and 2
- ASHRAE 90.1
- International Energy Conservation Code (IECC)
- International Building Code (IBC) Section 2603, Foam Plastic
- DrJ TER 1212-03
- Tested per NFPA 285 to comply with IBC Section 2603.5.5
- Class A Flame Spread and Smoke Developed Indices per IBC Chapter 8, Interior Finishes
- Water-Resistive Barrier (WRB) Component ICC-ES AC71 (ASTM E331, AATCC Test Method 127)
- Air Barrier System Component ASTM E2357, CAN/ULC-S742 (A1)

APPLICATIONS

Masonry or stud wall construction where the EVO™ Architectural Panels will be used for the cladding.

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” 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
Flexural Strength	ASTM C203	60 psi
Flame Spread, Faced ¹	ASTM E84	25 or Less
Smoke Developed, Faced ¹	ASTM E84	< 450
Air Barrier	ASTM E2178	< 0.02 L/(s.m ²)
Water Vapor Transmission	ASTM E96	< 0.03 perm
Water Absorption	ASTM C209	< 0.2% Vol.
Dimensional Stability, Length and Width	ASTM D2126	< 1% Linear Change
Mold Resistance	ASTM D3273	10, no defacement
Reflectance	ASTM E408	0.96
Emittance		0.04
Service Temperatures		250°F max

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 recommended, nor warranted, for use as a commercial roof insulation directly under membrane systems. Consult Rmax Sales for suitable commercial roof insulation products. 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.

Consult local Building Codes and insurance authorities regarding special applications or details required when using EVOMAXci.

Per the IBC and IRC, a WRB is required behind the exterior wall veneer.

The code also has provisions regarding vapor retarders, type and location, based on the assembly, climate zone and the amount of continuous insulation. It is up to the design professional to specify an assembly that will perform adequately and meet these requirements.

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.**



Rmax Sales Offices and Plant Locations

Central:

13524 Welch Road
Dallas, Texas 75244

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

East:

1649 South Batesville Road
Greer, South Carolina 29650

Phone: 864-297-1382
Fax: 864-234-7548
Toll Free: 1-800-845-4455

West:

210 Lyon Drive
Fernley, Nevada 89408

Phone: 775-575-4849
Fax: 775-575-5035
Toll Free: 1-800-762-9462

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