

# EVOMAXCI®

## INSULATION FOR EXTERIOR WALL USE

### 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 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
- California Code of Regulations, Title 24 (BHFTI License T1523)
- 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 per ICC-ES AC71 (ASTM E331, AATCC Test Method 127)
- Air Barrier System Component (ASTM E2357, CAN/ULC-S742 (A1))

**NOTE:** For details, requirements and/or limitations, refer to Third-Party Evaluation Reports

### 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 <sup>1</sup>
Inches	°F•ft <sup>2</sup> •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

<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.

EVOMAXci® is shipped in bundles that are approximately 48" high and wrapped in plastic for easy handling. Visit [www.rmax.com](http://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, Core <sup>1</sup>	ASTM E84	25 or Less
Smoke Developed, Core <sup>1</sup>	ASTM E84	< 450
Air Permeance	ASTM E2178	< 0.02 L/(s•m <sup>2</sup> )
Water Vapor Permeance	ASTM E96	< 0.1 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 Emittance	ASTM E408	0.96 0.04
Service Temperatures		250°F max

<sup>1</sup>Flame 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. Consult Rmax Sales for suitable commercial roof insulation products. EVOMAXci® is not a structural panel; stud walls insulated with EVOMAXci® must be properly braced for lateral loads according to the requirements of local Building Codes.

## WARNING

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

DO NOT leave EVOMAXci® exposed to the interior. Installations utilizing EVOMAXci® must be separated from the interior of the building by a thermal barrier such as a minimum of 1/2" gypsum wallboard. Consult your local Building Official for specific governing codes and requirements.

Per the IBC, 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 terms and conditions. Rmax does not assume any responsibility or liability for the performance of any products other than those manufactured by Rmax. **NOTE: Factory packaging should not be relied upon as protection at job sites or other outdoor storage locations. When short-term outdoor storage is necessary, take the following precautions: Store flat above ground on raised pallets, place bundles on finished surfaces, cover with a breathable tarpaulin and secure cover to prevent wind displacement.**

---



## RMAX SALES OFFICES / PLANT

Central	East	West
13524 Welch Road Dallas, TX 75244 (P) 972-387-4500 (F) 972-387-4673	1649 South Batesville Road Greer, SC 29650 (P) 864-297-1382 (F) 864-234-7548	210 Lyon Drive Fernley, NV 89408 (P) 775-575-4849 (F) 775-575-5035

[rmax@rmax.com](mailto:rmax@rmax.com) / [www.rmax.com](http://www.rmax.com)

PRODUCT DATA SHEET  
EVOMAXCI®

Revision.08-07-2023

2 / 2



BUILDING TRUST

