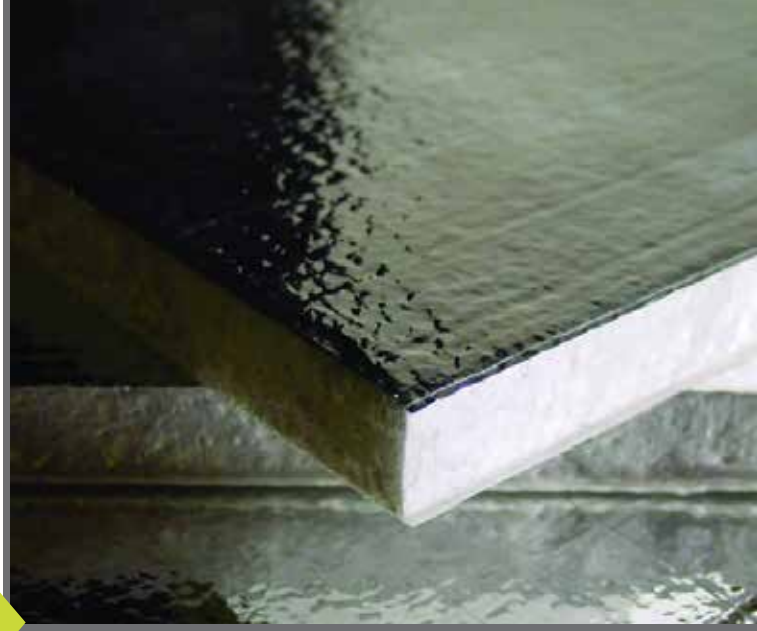
MIRACLE BOARD
SUPER INSULATION



PUTTING YOU IN CONTROL OF HOW YOU INSULATE

Miracle Board keeps your interior warmer in winter, cooler in summer, and dry year-round. The Miracle Insulation System addresses all three types of heat transfer:

CONDUCTIVE:
The direct flow of heat through solid materials, like studs, walls, or metal surfaces. Miracle Board reduces this by creating a barrier that slows heat movement.

CONVECTIVE:
Heat carried by moving air, such as drafts, leaks, or gaps in a structure. Miracle Board seals and stabilizes the building envelope to stop unwanted air movement.

RADIANT:
Heat energy radiating from the sun, hot roofs, or heated surfaces. Miracle Board reflects radiant energy away, keeping interiors cooler in summer and warmer in winter.

PHYSICAL/CHEMICAL PROPERTIES:

Property	Test Method (ASTM)	Miracle Insulation Board Value
Nominal Density	ASTM C303	1.35 pcf
R-Value Thermal Resistance	ASTM C518 / ASTM C177	R-4.8 @ 25°F R-4.6 @ 40°F R-4.2 @ 75°F
Compressive Strength	ASTM D1621	≥ 15 psi
Flexural Strength	ASTM C203	≥ 40 psi
Dimensional Stability	ASTM D2126	≤ 2%
Water Vapor Permeance	ASTM E96	< 5.0 perms
Water Absorption	ASTM C272	≤ 3.0%
Capillarity	N/A	None
Flame Spread	ASTM E84	< 75
Smoke Developed	ASTM E84	< 450

The Miracle Board Advantage:

- Lower energy bills with multi-layer protection beyond R-value
- Reduces HVAC costs and extend equipment life
- Quick, clean installation means less downtime
- No sagging or settling - stays effective for decades
- Backed by a 20-Year Warranty

VERSATILE APPLICATIONS

Miracle Board fits almost any building type - new construction, retrofits, residential, commercial, industrial, or agricultural.

WALLS:
Wood frame, steel frame, concrete block, or tilt-up panels. Stops drafts, radiant heat, and moisture.

CEILINGS:
Flat or vaulted. Easy to install under trusses, rafters, or purlins.

ROOFING:
Installs over purlins, under steel decking, or beneath roofing systems.

FLOORS:
Excellent under radiant heating and over concrete slabs.

BELOW GRADE:
Protects basements, utility lines, and foundations from heat loss and moisture.

OTHER APPLICATIONS:
Refrigerated storage, HVAC ductwork, truck/trailer bodies, and more.

THE FOAM CUP ANALOGY

For decades, the simple foam cup has protected us from boiling hot coffee and ice-cold soda. Your hand doesn't feel the extremes, and the cup doesn't break down.

Miracle Board works the same way - but for your building.

Just like EPS in a cup stops heat and cold from transferring through, the engineered EPS in Miracle Board stops unwanted transfer through walls, ceilings, and floors. Add in a reflective surface to block radiant heat, and the performance goes even further.

Here's how Miracle Board delivers:

- Blocks conductive + convective heat to keep temps stable.
- Reflective surface stops radiant heat before it enters.
- Lower energy bills, year-round comfort.

One inch of Miracle Board delivers powerful protection that is eight times the temperature protection of the average foam cup. It takes care of conductive, convective, and radiant heat transfer all managed in one smart design.

The result? A stronger, smarter, more comfortable building that saves money from day one.

Make the simple choice.
Choose comfort.
Choose savings.
Choose Miracle Board.
Part of the Miracle Insulation System:
Engineered for Real World Performance

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