



THERMAX™ ADVANTAGES EXPOSED

THERMAX™ INSULATION PRODUCTS

Exceptional durability
and proven performance.

For nearly 30 years, metal building owners and builders have known the value of THERMAX™ insulation. Dow is exposing the value of THERMAX™ insulation in alternative applications such as tilt-up concrete wall panels and parking garage ceilings – or wherever thermal performance and a washable interior surface would enhance a structure.

THERMAX™ insulation consists of a polyisocyanurate core, integrated on both sides by facers of aluminum and/or white acrylic-coated aluminum. Produced with a finer, more uniform cell size, THERMAX™ products condense the same insulating value into a thinner profile. This allows less insulation to achieve required R-values while adding to available square footage.* The easy-to-clean facers provide a finished look while adding to the overall value package of strength, durability and moisture control. THERMAX™ insulation boards with shiplap, caulked or sealed board joints and/or

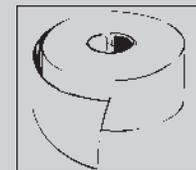
THERMAX™ insulation boards with taped joints comply with the new **air sealing** and **continuous insulation** requirements as described in ASHRAE 90.1 Standard Addendum G.

A REFLECTION OF VALUE

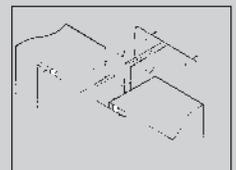
- Low-maintenance, pressure-washable finish can be left exposed to the interior
- Aesthetically pleasing
- Exceptional R-value (R-6.5 at 1")
- Continuous coverage (including over the framing members), helps in reducing thermal shorts, moisture and air infiltration
- Specially designed formulation for excellent fire performance
- Fast, easy installation
- Light reflectance of 65 percent, reducing light and energy costs
- 15-year limited thermal warranty**
- Custom lengths available, depending on project size

A TIGHT FINISH

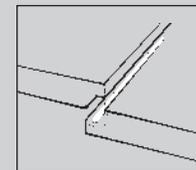
When installed properly, joint closure systems from Dow make it easy to finish the joints between THERMAX™ insulation boards, helping prevent leaks and providing a finished appearance. Methods of joint closure include:



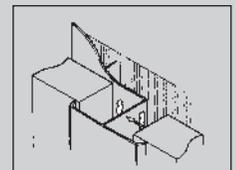
THERMAX™ White Foil Tape



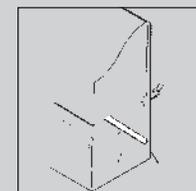
Interlocking System



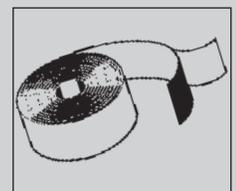
Shiplap Board Joint
(min. 1-1/2" thick product)



Clip Strip



J-Channel



WEATHERMATE™ Straight Flashing

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* R means resistance to heat flow. The higher the R-value, the greater the insulating power. R-values are expressed in ft²•h•°F/Btu.

**Consult warranty document for details.

THE MANY FACERS OF THERMAX™

Designed for ceiling⁽¹⁾ and wall applications, all THERMAX™ insulation products can be installed exposed to the interior

	Heavy Duty Plus ⁽¹⁾	Heavy Duty	Light Duty	Metal Building Board	White Finish	Sheathing
Finished Surface	16.5 mil embossed white acrylic-coated aluminum sheet laminated to 1 mil aluminum on one side and 1 mil aluminum on the other	3.4 mil embossed white acrylic-coated aluminum sheet on one side and 1.25 mil embossed aluminum on the other	1.25 mil embossed white acrylic-coated aluminum sheet on one side and 1.25 mil embossed aluminum on the other	1.25 mil embossed aluminum foil facers on both sides helps to dampen noise from the system's movement when outside temperatures change	1.25 mil embossed white acrylic-coated aluminum sheet on one side and 1.0 mil aluminum on the other	0.9 mil smooth aluminum foil facers
Impact Resistance (Janka Ball)	Heavy 188 lbs	Moderate 40 lbs	Light 8.0 lbs	Light 8.0 lbs	Light 8.0 lbs	Light
Pressure Washability	2,000 psi with any spray tip and 3" min. distance from any surface	2,000 psi with any spray tip greater than 15°, 3' min. distance from any surface	1,000 psi with any spray tip greater than 15°, 3' min. distance from any surface	1,000 psi with any spray tip greater than 15°, 3' min. distance from any surface	1,000 psi with any spray tip greater than 15°, 3' min. distance from any surface	Not Recommended
Bird Attack Resistance	High	High	Low	Low	Low	Low
Strength, Modulus of Rupture (1" of Product, MD)	106 psi	145 psi	74 psi	74 psi	66 psi	59 psi
Elasticity, Modulus of Elasticity (1" of Product, MD)	109,200 psi	3,430 psi	2,500 psi	2,500 psi	3,400 psi	Not tested, <2,500 psi

(1) THERMAX™ Heavy Duty Plus is designed for use in walls only.



PERFORMANCE PERKS

Over time, vinyl-faced fiberglass batt insulations can tend to sag and possibly absorb moisture, which contributes to reduced energy and thermal performance, can lead to condensation issues, possible metal corrosion and a potential for mold formation under the right conditions. THERMAX™ rigid foam insulation keeps its shape and resists moisture even from wind-driven rain, maintaining a stable R-value. And with washable, durable facers, THERMAX™ also provides long-lasting beauty and performance.

BUILD GREEN

THERMAX™ insulation products may help builders and building owners achieve credit in the U.S. Green Building Council's Leadership in Energy & Environmental Design (LEED) Program. For more information on LEED, visit www.usgbc.org or contact your Dow sales representative.

THE DOW CHEMICAL COMPANY . Dow Building Solutions . 200 Larkin . Midland, MI 48674

For Technical Information: 1-866-583-BLUE (2583) . For Sales Information: 1-800-232-2436

www.thermaxbydow.com

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CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

WARNING: Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

R DETECTOR

Ask your Dow representative about R-Detector Life Cycle Energy Analysis Software.



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MAKE YOUR MARK. MAKE A DIFFERENCE.