



Dow Building Solutions



EXPOSED

THERMAX™ Advantages *Exposed.*

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.

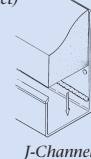
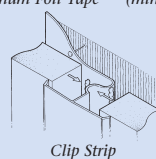
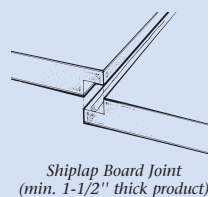
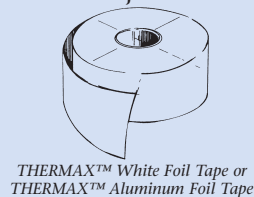
A Reflection of Value

- Low-maintenance, pressure-washable finish can be left exposed to the interior
- Aesthetically pleasing
- Outstanding R-value (R-6.5 at 1")
- Continuous coverage (including framing members), reducing thermal shorts, and moisture and air infiltration

- Specially treated formulation for superior fire resistance
- Fast, easy installation
- Light reflectance of 65 percent, reducing light and energy costs
- Noise dampening
- 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:



®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

*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 and wall applications, all THERMAX™ insulation products can be installed exposed to the interior.

There's a THERMAX™ Insulation Ready for Your Application ⁽¹⁾					
	Heavy Duty Plus ⁽²⁾	Heavy Duty	Light Duty	Metal Building Board	White Finish
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	4.0 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 serve 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
Impact Resistance (Janka Ball)	Heavy 188 lbs	Moderate 40 lbs	Light 8.0 lbs	Light 8.0 lbs	Light 8.0 lbs
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
Thermal Resistance (R-6.5 at 1" thickness)	High	High	High	High	High
Strength, Modulus of Rupture (1" of Product, MD)	109,200 psi	3,430 psi	2,500 psi	2,500 psi	3,400 psi
Elasticity, Modulus of Elasticity (1" of Product, MD)	106 psi	145 psi	74 psi	74 psi	66 psi

(1) THERMAX™ Sheathing with smooth aluminum foil facers on both sides is also available for metal building applications. Contact your Dow representative for more information.

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

Performance Perks

Vinyl-faced fiberglass batt insulation can sag and absorb moisture, contributing to reduced thermal performance, condensation, metal corrosion and the potential for mold formation. 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.

Maximize your exposure to great looking – and performing – insulation.
Use THERMAX products from Dow. 1-866-583-BLUE (2583) • www.thermaxbydow.com

NOTICE: No freedom from any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. Dow assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

COMBUSTIBLE: THERMAX™ products should be used only in strict accordance with product application instructions. THERMAX products, when used in a building containing combustible materials, may contribute to the spread of fire. For more information, consult MSDS and/or call Dow at 1-866-583-BLUE (2583). In an emergency, call 1-989-636-4400.

WARNING: THERMAX 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.

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

