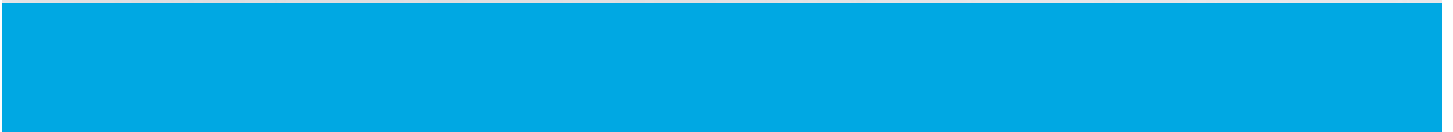




Dow Building Solutions

Countless Applications, One Insulation

THERMAX™ Sheathing



THERMAX™ Sheathing Fits the Plan. Skyscrapers, churches, warehouses, schools, museums, airports, shopping malls ... There are many types of commercial buildings – and one insulation that can fit them all:

THERMAX™ Sheathing.

THERMAX™ Sheathing rigid insulation from Dow joins a core of glass-fiberreinforced polyisocyanurate foam with aluminum foil facers. The insulation delivers excellent thermal performance (R-6.5* at 1") with good moisture resistance, reliable dimensional stability and exceptional fire performance. THERMAX™ Sheathing meets or exceeds building code fire performance requirements for foamed plastic insulations and can be used in a variety of hourly rated wall assemblies. The insulation is easy to handle and install, and it can be left exposed to the interior without a thermal barrier, making THERMAX™ Sheathing an ideal choice for many facilities.

For your next commercial building, depend on the insulation that fits countless applications: THERMAX™ Sheathing from Dow.

Steel Stud Wall Systems

Steel stud construction offers superior strength and structural integrity. But steel studs transfer heat up to 10 times faster than wood studs. Thermal shorts caused by steel studs can reduce energy efficiency and increase the potential for water vapor condensation within the wall system.

THERMAX™ Sheathing in steel stud construction is a more effective method of insulation, reducing condensation potential as well as lowering energy costs.

Curtain Wall and Load-Bearing Steel Stud Wall Systems

THERMAX™ Sheathing is well-suited to curtain wall and load-bearing wall systems incorporating steel studs. In properly designed steel stud systems, THERMAX™ Sheathing can help alleviate thermal shorts, manage moisture control and provides fire performance.



Steel Stud Hourly Rated System



Steel Stud Non-Hourly Rated System

Performance and Value in One

THERMAX™ Sheathing delivers exceptional performance and value in commercial applications:

Versatility

Use in steel stud or masonry construction; suitable for load-bearing and non-load-bearing walls

Code Compliance

Meets U.S. building code requirements for foamed plastic insulation

Insulating Power

R-6.5 at 1", one of the highest R-values available

Durability

Robust facers enhance durability, moisture resistance and dimensional stability

Ease of Installation

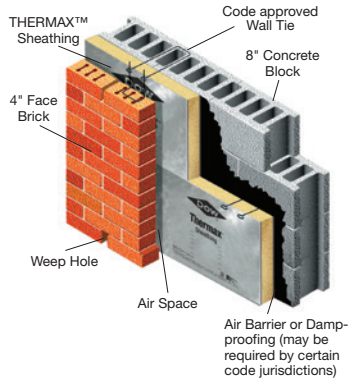
THERMAX™ Sheathing can be cut and installed using common building products

Value

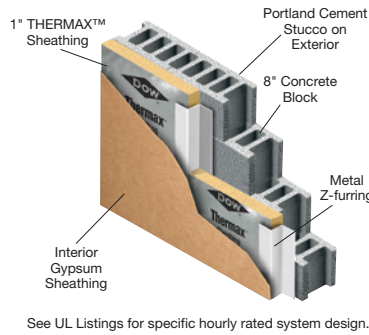
Reliable insulating performance adds up to long-term energy savings and value

Concrete and Masonry Wall Systems

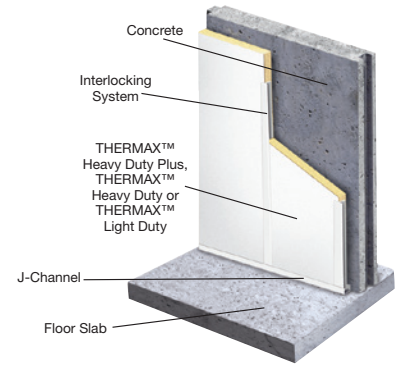
Concrete and masonry wall systems combine strength and economy. In these assemblies, THERMAX™ Sheathing delivers high insulation performance in a thin profile, making application easy and economical.



Cavity Wall System



Masonry Wall System

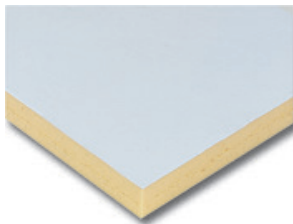


Tilt-Up Wall Assembly

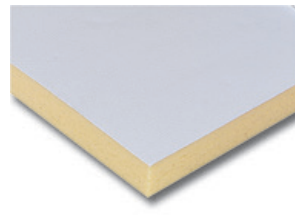
More Products, More Value

Add even more value to your commercial tilt-up walls or metal buildings. THERMAX™ insulation/ finish boards can be left exposed to the interior. Contact your Dow representative for more information about:

THERMAX™ Light Duty



THERMAX™ Heavy Duty



THERMAX™ Metal Building Board

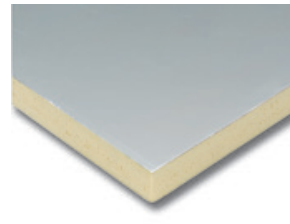


Table 1: THERMAX™ Sheathing R-Values

(Contact your Dow Seller or Technical Service Group for information at different R-values)

Nominal Foam Thickness, in.	Stabilized R-Value ⁽¹⁾
0.5	3.3
0.75	5.0
1.0	6.5
1.5	9.8
2.0	13.0

⁽¹⁾ R-values expressed in ft²•h•°F/Btu

NOTE: Contact your Dow representative for information at different R-values and sizes and-lead time requirements. Not all sizes available in all areas.

Table 2: Physical Properties of THERMAX™ Sheathing

Property and Test Method	Value
Compressive Strength ⁽¹⁾ , ASTM D 1621, psi, min.	25.0
Flexural Strength, ASTM C203, psi, min.	40.0
Water Absorption, ASTM C209, % by volume, max.	0.1
Water Vapor Permeance, ASTM E96, perms, max.	<0.03
Maximum Use Temperature, °F	250
Flame Spread ⁽²⁾ , core foam, max.	25

⁽¹⁾ Vertical compressive strength is measured at 10 percent deformation or at yield, whichever occurs first.

⁽²⁾ This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

In the U.S.

The Dow Chemical Company

Dow Building Solutions

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Midland, MI 48674

For Technical Information:

1-866-583-BLUE (2583) (English)

1-800-363-6210 (French)

For Sales Information:

1-800-232-2436 (English)

1-800-565-1255 (French)

dowbuildingsolutions.com

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CAUTION: This product is combustible and shall only be used as specified by the local building code with respect to flame spread classification and to the use of a suitable thermal barrier. 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.

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.

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