



Dow Building Solutions

The THERMAX™ Wall System

A three-in-one solution for efficiency at every level.



One simple system for ultimate thermal, air and moisture protection.

The THERMAX™ Wall System

An innovative way to achieve complete, long-term protection.

Distinctly Dow:

- For 65 years, Dow has taken a leading role in the research and development of new building solutions that have proven performance.
- You'll have first-rate support with a team of dedicated experts ready to collaborate with you to find the right solution to help your business operate more efficiently.
- With our building and material science expertise, we can help you reduce condensation in your wall by showing dew point calculations for your next project.



THERMAX™ Wall System at a glance.

The THERMAX™ Wall System from Dow offers architects and design professionals a whole new way to drive efficiency at every level for your building envelope. By simplifying design and streamlining construction, you can optimize energy consumption for a better performing wall system.

With three simple components – continuous insulation, all-weather flashing and an insulating air barrier – you get one integrated system that insulates and seals more effectively for ultimate long-term thermal protection. It is a three-in-one systematic approach that provides you with one of the most efficient ways to achieve continuous insulation for commercial construction.

As codes become increasingly more demanding, designers are constantly challenged to find new ways to meet them. The THERMAX™ Wall System offered by Dow meets all applicable IBC and ASHRAE requirements using industry-proven products for exceptional results – helping to save you money and increase profitability for your business.

For more information about the THERMAX™ Wall System and how it can work for you, visit thermaxwallsystem.com.

Key benefits to you:

- Simplifies the construction process by eliminating the weather barrier and gypsum layer for a faster installation time – saving you money on materials and labor.
- With enhanced fire resistance, THERMAX™ can be used in most wall assembly designs* – offering excellent versatility that allows for more consistency in specs.
- Meets strict model energy requirements for continuous insulation and thermal, air and moisture management.
- Works seamlessly with other industry-proven products from Dow for an easy installation process.
- Provides sustainable long-term thermal protection – allowing you to gain multiple LEED credits.
- Offers an industry-leading 15-year weatherization and thermal warranty.



*See code report for NFPA 285 approvals on dowbuildingsolutions.com

THERMAX™ Featured Products:



STYROFOAM™ Brand SPF (CM Series)

THERMAX XARMOR™ (ci) Exterior Insulation

LIQUIDARMOR™ – CM Flashing and Sealant OR WEATHERMATE™ Straight Flashing

Reinventing the wall with industry-recognized products that work for you.

THERMAX XARMOR™ (ci) Exterior Insulation

A non-structural insulated sheathing board meeting stringent air and water barrier requirements. This is the key component of the THERMAX™ Wall System that enables you to achieve continuous insulation and is the first step in the streamlined installation process.

- The durable acrylic-coated aluminum facer provides an integral drainage plane and water-resistive barrier, eliminating the extra step of installing a membrane or building wrap.
- The lightweight polyisocyanurate foam core is reinforced with fiberglass – making it NFPA 285 approved with increased dimensional stability.
- It offers one of the highest R-values available (R-6.5 at 1") for long-term thermal performance and sustainability.

STYROFOAM™ Brand SPF (CM Series)

A spray foam layer that, when applied correctly, prevents air from leaking out of the building by creating an effective air barrier on the interior of steel stud walls.

- Effectively blocks unwanted air flow by easily filling gaps, cracks and penetrations, even in hard-to-reach areas.
- Provides your building with exceptional moisture management.
- Creates a tighter building envelope, helping to reduce the demand on the heating and cooling system and optimize energy savings for a reduced carbon footprint.

**Based on example project on a linear board joint application. Exact installation time will vary depending on installer, equipment and application area.

Finish the job with a high-quality flashing system. Choose between the faster-applied option of liquid flashing or the conventional method of tape:

LIQUIDARMOR™ – CM Flashing and Sealant

An innovative elastomeric spray designed to provide advanced moisture and air sealing performance for commercial buildings.

- Easily covers and seals hard-to-reach gaps up to 1/4" wide, and self-seals around screws, veneer anchors and penetrating fasteners.
- Sprays on quickly and dries as much as 3 times faster than traditional flashing tapes, reducing installation time.**
- Forms an airtight, durable bond that is built for the long haul to withstand tough weather conditions for a better performing barrier.

WEATHERMATE™ Straight Flashing

A self-sealing, self-healing, fully adhering flashing used to help protect moisture from entering the building at critical areas.

- Delivers outstanding adhesion and maximum quality and performance over a wide temperature range.
- Contains a polymetric-coated paper release liner designed for easy application and a more consistent peel.



For 65 years, Dow has taken a leading role in developing innovative building envelope solutions that have proven performance. The THERMAX™ Wall System provides you with a three-in-one solution for ultimate, long-term thermal protection with maximum efficiency.

For more information about the THERMAX™ Wall System or any other Dow product, call **1-866-583-BLUE (2583)** or visit us at **thermaxwallsystem.com**



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Dow Polyisocyanurate Insulation

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 (Material) Safety Data Sheet ((M)SDS), 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.

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 ((M)SDS) and/or call Dow at 1-866-583-BLUE (2583). In an emergency, call 1-989-636-4400.

STYROFOAM™ Brand Spray Polyurethane Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read the instructions and ((M)SDS) carefully before use. Wear protective clothing (including long sleeves), gloves, goggles and proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a P100 particulate filter is required to maintain exposure levels below ACGIH, OSHA, WEEL or other applicable limits. Provide adequate ventilation. Contents under pressure. **STYROFOAM™ Brand SPF** should be installed by a trained SPF applicator. For more information, consult ((M)SDS), 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.

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information, consult ((M)SDS), 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.

LIQUIDARMOR™ — CM Flashing and Sealant

BEFORE HANDLING OR USING THIS PRODUCT, READ AND UNDERSTAND THE ((M)SDS).

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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