



**CERTIFIED
APPLICATOR**

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**MAKE EVERY JOB AN INSIDE JOB
WITH THE THERMAX™ WALL SYSTEM**

The THERMAX™ Wall System complies with IBC Section 2603.5, which requires that all foam plastics used in non-combustible construction meet the requirements of fire performance evaluation NFPA 285-06.

Steel stud walls contribute to a strong building, but they do present an insulation challenge. Steel transfers heat up to 300 times faster than wood studs, causing thermal shorts that contribute to energy loss.

The THERMAX™ Wall System from Dow is a two-sided solution, with THERMAX™ (ci) Exterior Insulation and WEATHERMATE™ Flashing on the outside and STYROFOAM™ Brand Spray Polyurethane Foam (SPF) (CM Series) on the inside.

When your inside job is a part of the THERMAX™ Wall System, it can help enhance your reputation and build your bottom line.

IT'S BETTER INSIDE

The THERMAX™ Wall System allows you to extend the working season, while improving working conditions. It can also help reduce damage associated with overspray.

Once the exterior insulated sheathing is installed and the building is closed in, you can begin spraying in a conditioned environment. An added bonus to working inside is that overspray of neighboring buildings and vehicles is eliminated, minimizing the potential for overspray-related damage claims.

ACHIEVE EFFICIENCY AT EVERY LEVEL

The THERMAX™ Wall System is a systematic approach to achieving efficiency at every level: simplified design, streamlined construction and optimized energy consumption for a reduced carbon footprint.

Dow's three-in-one system with insulation, air barrier and flashing meets all applicable IBC and ASHRAE requirements. The THERMAX™ Wall System results in a tight, efficient wall assembly, allowing for downsizing to less expensive HVAC equipment, which in turn reduces fuel consumption and greenhouse gas emissions.

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STYROFOAM™ Brand Spray Polyurethane Foam (CM Series) meets IBC requirements for foam plastic insulation and is UL Classified Class A (ASTM E84).

SEAL OF APPROVAL

Demonstrating an unwavering commitment to quality, Dow manages the entire manufacturing process from raw materials to finished product. Premium-performance materials are combined with the Enovate 3000 blowing agent from Honeywell, providing further evidence of Dow's efforts to provide customers with the industry's best and most reliable foam products. See Table 1 for additional application benefits of STYROFOAM™ Brand SPF (CM Series).

QUALITY AND RELIABILITY BACKED BY DOW

Since the first commercial use of the STYROFOAM™ brand in 1946, Dow has been a recognized leader in building science solutions. Dow's experience and knowledge about foam is virtually unmatched.

The high-quality products that make up the THERMAX™ Wall System are backed by in-depth technical support and reliable, responsive sales support.

A SYSTEMATIC APPROACH



CONTINUOUS INSULATION

THERMAX™ (ci) Exterior Insulation

- Backed by more than 30 years of proven performance
- Features distinct free-rise technology for better product consistency, durability and fire performance than generic polyisocyanurate insulations
- Class A fire rated
- Complies with IBC and NFPA 285-06
- An integral, durable acrylic-coated aluminum facer provides a drainage plane and water-resistive barrier
- Provides one of the highest R-values available (R-6.5 at one inch)⁽¹⁾
- Six-month exposure rating

(1) Stabilized R-value @ 75°F mean temperature determined in accordance with ASTM C518. R-value expressed in ft²•h•°F/Btu.

AIR BARRIER

STYROFOAM™ Brand SPF (CM Series)

- Effectively blocks air infiltration by filling gaps, cracks and penetrations
- Offers exceptional moisture management and elimination of air infiltration in the wall when properly applied
- Enhances system insulation value
- Class A fire rated and complies with IBC and NFPA 285-06 when used as part of the THERMAX™ Wall System

FLASHING SYSTEM

WEATHERMATE™ Flashing

- Help protect the wall assembly from moisture entry at windows, doors and other thru-wall penetrations, including between sheathing joints
- Deliver outstanding adhesion, and maximum quality and performance over a wide temperature range

With THERMAX™ (ci) Exterior Insulation, exceeding ASHRAE 90.1-2007 prescriptive requirements for continuous insulation (ci) couldn't be easier. Learn more at www.thermaxwallsystem.com.

TABLE 1: STYROFOAM™ BRAND SPF (CM SERIES) APPLICATION BENEFITS

Closed-cell foam – self-adhering air barrier that resists moisture and minimizes condensation
High R-value for maximum insulation performance
Three formulas
– CM 2030: 30°F-70°F ambient processing; 30°F-60°F substrate processing
– CM 2045: 45°F-95°F ambient processing; 45°F-100°F substrate processing
– CM 2060: 60°F-100°F ambient processing; 60°F-120°F substrate processing

Make every job an inside job. Find out how you can be a part of the THERMAX™ Wall System at www.thermaxwallsystem.com or call 1-866-583-BLUE (2583).

For Technical Information: 1-866-583-BLUE (2583) . For Sales Information: 1-800-232-2436
THE DOW CHEMICAL COMPANY . Dow Building Solutions . 200 Larkin . Midland, MI 48674 . www.thermaxwallsystem.com

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

STYROFOAM™ Brand Spray Polyurethane Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read the instructions and Material Safety Data Sheets carefully before use. Wear protective clothing, gloves, goggles and proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a particle 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.

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.

