



Roofing
Systems



Sustainability

Consistent R-value

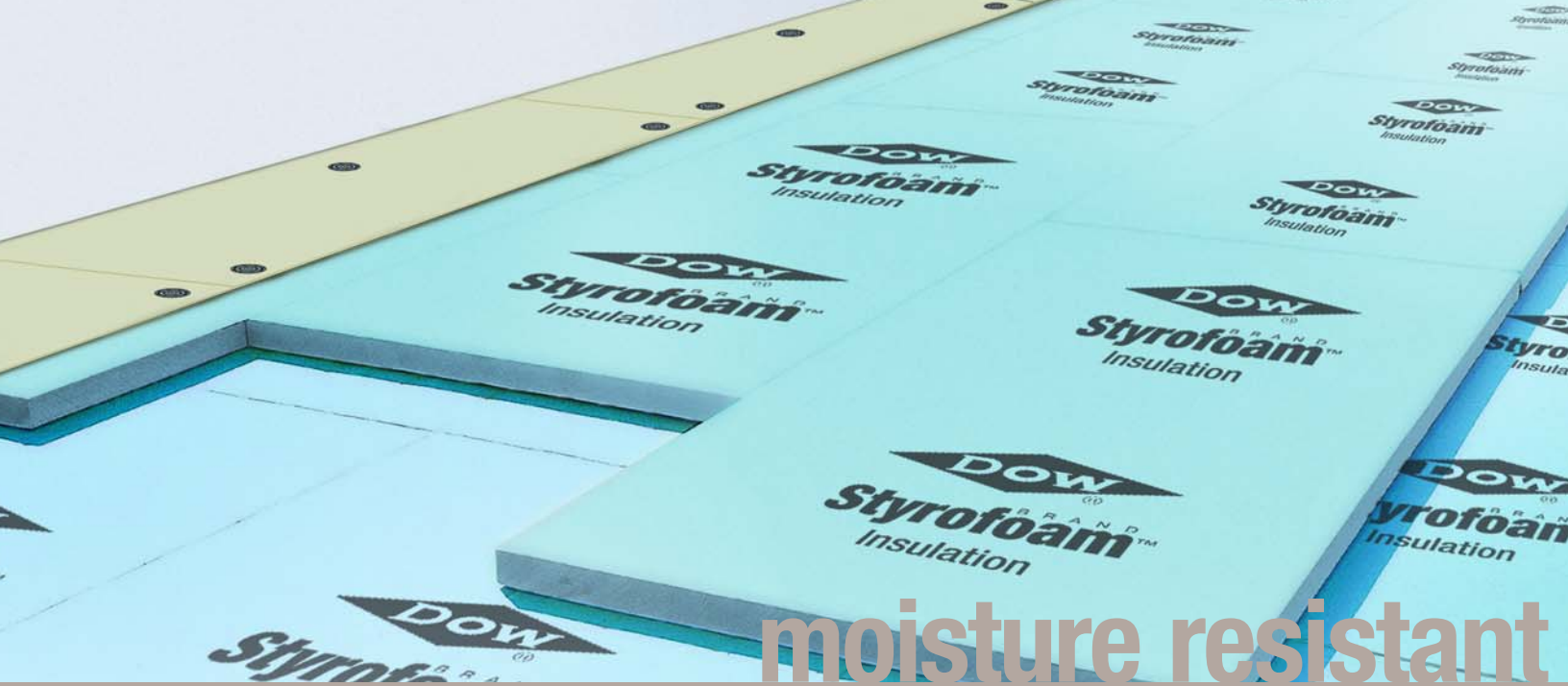
RELY ON REUSABLE, RUGGED INSULATION



Moisture Resistant

RELIABLE

REUSABLE



moisture resistant

BREAK WITH CONVENTION ... YOU DESERVE BETTER

When it comes to conventional roofs, conventional wisdom isn't enough. You deserve a stronger ally in the fight against a roof's persistent enemy: moisture intrusion. Not only can it degrade the roofing system components and damage the structure, it can reduce the insulation's thermal performance. With moisture-resistant STYROFOAM™ Brand DECKMATE™ Plus Extruded Polystyrene (XPS) Foam Insulation, excellent thermal performance can be maintained despite attacks by water, water vapor and condensation. And to top it off, this rugged insulation from Dow is reusable, which can provide big savings when it's time for roofing repairs and replacements.

THE RIGHT CHOICE

Whether installed beneath mechanically fastened, fully adhered or ballasted sheet membranes, durable rigid foam insulations from Dow can be installed directly on a steel deck without the use of a thermal barrier per the International Building Code.

- STYROFOAM™ Brand DECKMATE™ Plus Insulation – smooth, high-density skins without facers and a closed-cell structure for exceptional moisture resistance
- STYROFOAM™ Brand DECKMATE™ Plus FA Insulation – designed with a planed surface for excellent bonding with adhesives, such as INSTA STIK™ Quik Set Commercial Roofing Adhesive
- STYROFOAM™ Brand Tapered DECKMATE™ Plus FA Insulation – precisely tapered edges for a positive slope to significantly improve drainage

RUGGED
the
THREE
R'S

STYROFOAM™ Brand DECKMATE™ Plus Insulation graduates at the top of the class.

- **R**esistance to moisture contributes to consistent, long-term thermal performance
- **R**ugged with exceptional compressive strength
- **R**eusable for cost savings and sustainability (30-year reuse warranty available)

reusable

resistant

QUESTION YOUR CURRENT INSULATION

It's as simple as yes or no.

- 1 Does it have exceptional moisture resistance?
- 2 Does it maintain a stable R-value – even when exposed to moisture?
- 3 Is it reusable (saving material and labor costs, materials and landfill usage)?
- 4 Is its compressive strength a minimum 25 psi for added durability and system support?
- 5 Is it manufactured without fiber/felt laminated facers that may absorb moisture or delaminate?
- 6 Is it dimensionally stable at greater thicknesses?
- 7 Does it have a 30-year reuse warranty?
- 8 Is it user friendly (providing a clean cut without dust or debris that can interfere with membrane installation)?

If you answered **no** to any of these questions, then you are not specifying STYROFOAM™ Brand Extruded Polystyrene Foam Insulation. **Make the switch and say yes to proven performance and long-lasting value.**

STYROFOAM™ BRAND DECKMATE™ PLUS INSULATION PRODUCTS MEET APPROVAL AND COMPLIANCE REQUIREMENTS FOR ROOFING SYSTEMS THAT INCLUDE COVERBOARD/SLIP SHEET AND MEMBRANE:

- NRCA RECOMMENDED
- UL CLASS A FIRE REQUIREMENTS
- UL 1256 FOR INSTALLATION
DIRECT TO STEEL ROOF DECKS
- FM WIND UPLIFT REQUIREMENTS



Photo courtesy of University Relations, Michigan State University



sustainability

MOISTURE RESISTANCE IN THE REAL WORLD

IN THE LATE 1960s, STYROFOAM™ BRAND EXTRUDED POLYSTYRENE FOAM INSULATION WAS INSTALLED ON BUILDINGS AT MICHIGAN STATE UNIVERSITY. TODAY, THIS INSULATION CONTINUES TO RESIST MOISTURE AND DAMAGE, HELPING MSU BENEFIT FROM DECREASED MAINTENANCE AND REPAIR COSTS. IN FACT, MORE THAN 161 MSU BUILDINGS NOW FEATURE STYROFOAM™ BRAND XPS FOAM INSULATION IN THE ROOF ASSEMBLIES. AND IN THESE ASSEMBLIES, THE INSULATION WAS INSTALLED *ABOVE* THE MEMBRANE TO PROTECT IT. JUST THINK HOW WELL IT CAN PERFORM *UNDER* THE MEMBRANE IN A CONVENTIONAL ROOF.

reliable

reusable

REUSE WARRANTY

Dow offers a 30-year limited reuse warranty for STYROFOAM™ Brand DECKMATE™ Plus Insulation that includes:

- The in-service R-value will not vary by more than 15 percent of the published R-value.
- The product will retain 100 percent of its advertised compressive strength.
- The product will not absorb more than 5 percent moisture by volume.

Certain conditions apply; visit www.dowbuildingsolutions.com for details.



saves energy
reusable

WHY WASTE TIME, MONEY AND MATERIALS? AVOID THE COST AND HASSLE OF REPLACING ROOFING POLYISOCYANURATE INSULATION WHEN A MEMBRANE IS REPLACED OR REPAIRED. REUSABLE STYROFOAM™ BRAND DECKMATE™ PLUS INSULATION IS ROBUST AND SUSTAINABLE, SAVING ENERGY AND MONEY THROUGHOUT ITS LONG LIFETIME.

sustainability

For more information on how STYROFOAM™ Brand DECKMATE™ Plus Insulation can go to work under cover for you, visit www.dowroofingsystems.com or call 1-800-621-ROOF (7663).

For Technical Information: 1-877-788-8324 . For Sales Information: 1-800-621-ROOF (7663)
THE DOW CHEMICAL COMPANY . Dow Roofing Systems, LLC . Nine Sullivan Road . Holyoke MA 01040-2800

www.dowroofingsystems.com . www.dowbuildingsolutions.com

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STYROFOAM™ Brand Extruded Polystyrene Foam Insulation

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.

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

INSTA STIK™ Quik Set Commercial Roofing Adhesive contains isocyanate and a hydrofluorocarbon blowing agent. Read the label and Material Safety Data Sheet carefully before use. Wear gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure.

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.

