



## STYROFOAM™ BRAND RECOVERMATE CR EXTRUDED POLYSTYRENE FOAM INSULATION

### 1. PRODUCT NAME

STYROFOAM™ Brand  
RECOVERMATE CR Extruded  
Polystyrene Foam Insulation

### 2. MANUFACTURER

The Dow Chemical Company  
Dow Building Solutions  
200 Larkin  
Midland, MI 48674  
1-866-583-BLUE (2583)  
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Dow Building Solutions  
450-1st St. SW, Suite 2100  
Calgary, AB T2P 5H1  
1-866-583-BLUE (2583) (English)  
1-800-363-6210 (French)

[www.dowbuildingsolutions.com](http://www.dowbuildingsolutions.com)

### 3. PRODUCT DESCRIPTION

STYROFOAM™ Brand RECOVERMATE CR Insulation is an extruded polystyrene fanfolded foam board with square edges. Poly-coated kraft facers make STYROFOAM™ Brand RECOVERMATE CR Insulation compatible with plasticized membranes. Lightweight, easy-to-cut STYROFOAM™ Brand RECOVERMATE CR Insulation provides high compressive strength as well as moisture and puncture resistance.

### BASIC USE

STYROFOAM™ Brand RECOVERMATE CR Insulation is designed specifically for installation over an existing roofing membrane in roof re-cover applications with a new ballasted or light-colored mechanically attached sheet membrane.

### SIZE

Butt Edge  
Width and length:  
4' x 50' (1.2 m x 15.2 m)  
fanfold boards folded every 2'  
(600 mm)  
Thickness:  
3/8" (9.5 mm)

### 4. TECHNICAL DATA

#### APPLICABLE STANDARDS

STYROFOAM™ Brand RECOVERMATE CR Insulation meets IBC/IRC requirements for foam plastic insulation. Applicable ASTM standards include:

- C518 – Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
- D1621 – Standard Test Method for Compressive Properties of Rigid Cellular Plastics
- E96 – Standard Test Methods for Water Vapor Transmission of Materials
- D696 – Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer
- D2842 – Standard Test Method for Water Absorption of Rigid Cellular Plastics
- C203 – Standard Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation

### PHYSICAL PROPERTIES

STYROFOAM™ Brand RECOVERMATE CR Insulation exhibits physical properties indicated in Table 1 when tested as represented.

### ENVIRONMENTAL DATA

STYROFOAM™ Brand RECOVERMATE CR Insulation is hydrochlorofluorocarbon (HCFC) free with zero ozone-depletion potential.

STYROFOAM™ Brand RECOVERMATE CR Insulation is reusable in many applications.

### FIRE PROTECTION

STYROFOAM™ Brand RECOVERMATE CR Insulation 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.

### 5. INSTALLATION

STYROFOAM™ Brand RECOVERMATE CR Insulation boards can be installed over the old roof's entire surface – on top of the existing membrane. Install ballasted or light-colored mechanically attached sheet membrane on top of STYROFOAM™ Brand RECOVERMATE CR Insulation. Contact a local Dow representative for more specific instructions.

**TABLE 1: PHYSICAL PROPERTIES OF STYROFOAM™ BRAND RECOVERMATE CR INSULATION**

PROPERTY AND TEST METHOD	VALUE
Thermal Resistance at 3/8" (9.5 mm), ASTM C518 @ 75°F (24°C) mean temp., ft <sup>2</sup> •h•°F/Btu (m <sup>2</sup> •°C/W), R-value (RSI) <sup>(1)</sup> , min.	1.5 (0.26)
Compressive Strength <sup>(2)</sup> , ASTM D1621, psi (kPa), min.	15 (105)
Water Absorption, ASTM C272 (ASTM D2842), % by volume, max.	0.2
Maximum Use Temperature, °F (°C)	165 (74)

(1) R means resistance to heat flow. The higher the R-value or RSI (R-value Système International), the greater the insulating power.

(2) At 10% deformation or at yield, whichever occurs first.

**6. AVAILABILITY**

STYROFOAM™ Brand RECOVERMATE CR Insulation is distributed through an extensive network. For product availability or for the name of your local Dow sales representative, call:  
1-800-232-2436 (English)  
1-800-565-1255 (French)

**7. WARRANTY**

Not applicable.

**8. MAINTENANCE**

Not applicable.

**9. TECHNICAL SERVICES**

Dow can provide technical information to help address questions about using STYROFOAM™ Brand RECOVERMATE CR Insulation. Technical personnel are available to assist with any insulation project. For technical assistance, call:  
1-866-583-BLUE (2583) (English)  
1-800-363-6210 (French)

**10. FILING SYSTEMS**

- [www.dowbuildingsolutions.com](http://www.dowbuildingsolutions.com)
- [www.sweets.com](http://www.sweets.com)

**www.dowbuildingsolutions.com****Technical Information**

1-866-583-BLUE (2583) (English)  
1-800-363-6210 (French)

**Sales Information**

1-800-232-2436 (English)  
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**IN THE U.S.**

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**IN CANADA**

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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 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.

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.

