

TRYMER 2000 Polyisocyanurate Foam Insulation

TRYMER* 2000 Polyisocyanurate Foam Insulation is a polyurethane modified polyisocyanurate cellular foam supplied in the form of bunstock for fabrication into sheets, pipe, tank and vessel covering and other shapes for a variety of thermal insulation applications. Although similar in physical form to polyurethane foams, TRYMER 2000 insulation has better dimensional stability over a wider range of temperatures. TRYMER 2000 insulation has been specifically formulated to provide excellent thermal insulation properties without the use of CFC blowing agents.

Applications

TRYMER 2000 insulation is used extensively in industrial and commercial applications within the service temperature range of -297°F to +300°F $(-183^{\circ}\text{C to } +149^{\circ}\text{C})$. Because of the critical technical design aspects of many of these applications, qualified designers or consultants should design the total system. Dow can provide general guidelines and recommendations on many typical applications for TRYMER 2000 insulation. Call 1-866-583-BLUE (2583) or contact your local Dow representative for details.

Typical applications for TRYMER 2000 insulation include:

- Pipe, tank and vessel insulation
- Fabricated pipe fitting insulation
- Core material for architectural and structural panels

- Insulation for shipping containers, trucks or rail cars
- Core material for factory built panelized constructions
- Flat or tapered boardstock for roof insulation

Like all cellular plastics, this product will degrade upon prolonged exposure to sunlight. A covering to block ultraviolet radiation must be used to prevent this degradation. Other coverings to protect the foam from the elements and to meet applicable fire regulations may also be required. Consultation with local building code officials, design engineers/specifiers or insurance personnel is recommended before application.

SIZE

24" (61 cm) Height: Width: 48" (122 cm) 36" (91 cm) Length: 96" (244 cm) 108" (274 cm)

Custom lengths are also available. Contact your local Dow representative for details.

Safety Considerations

TRYMER 2000 insulation requires care in handling. All persons working with this material must know and follow the proper handling procedures. The current MSDS and handling guide contain information on the safe handling, storage and use of this insulation. This information can be obtained by calling 1-866-583-BLUE (2583) or contacting your local Dow representative.

Installation

TRYMER 2000 insulation is easy to fabricate into various sizes and shapes to meet specific design needs. However, because of the critical technical design aspects of many of its applications. Dow recommends that qualified designers or consultants should design the total system. Contact a local Dow representative or access the resource library at www.dowpipe.com for more specific instructions.

Availability

TRYMER 2000 insulation is distributed through an extensive network of fabricators and distributors. For more information, call 1-800-232-2436.

Technical Services

Dow can provide technical information to help address questions when using TRYMER 2000 insulation. Technical personnel are available at 1-866-583-BLUE (2583).



TRYMER* 2000 Polyisocyanurate Foam Insulation

Density (3) D 1622 lb/ft3 2.05 kg/m3 32.8 Compressive Strength (3) D 1621 lb/in.2 kPa Parallel to Rise (Thickness) 24 165 Perpendicular to Rise (Width) 13 90 Perpendicular to Rise (Length) 24 165 Compressive Modulus D 1621 lb/in.2 kPa Parallel to Rise (Thickness) 550 3790 Perpendicular to Rise (Width) 325 2240 Perpendicular to Rise (Length) 550 3790 Shear Strength C 273 lb/in.2 kPa Parallel and Perpendicular 24 165		ASTM	ENGLISH		METRIC	
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Perpendicular to Rise (Length)						
Description						
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2" through 6" (5 through 15 cm) 90 90		E 84				
Color Blue Blue	<u> </u>					
	Color			Blue		Blue

- (1) All properties are measured at 74°F (23°C), unless otherwise indicated.
- (2) Unless otherwise indicated, data shown are typical values obtained from representative production samples. This data may be used as a guide for design purposes, but should not be construed as specifications. For property ranges and specifications, consult your Dow representative.
- (3) Average value through foam cross section.(4) Frequent and severe thermal cycling can produce dimensional changes significantly greater than those stated here. Special design considerations must be made
- in systems that cycle frequently.

 (5) Above 300°F, discoloration and charring will occur, resulting in an increased k-factor in the discolored area.
- (6) This numerical flame spread data is not intended to reflect hazards presented by this or any other material under actual fire conditions. The color Blue is a trademark of The Dow Chemical Company.

- For Technical Information: 1-866-583-BLUE (2583)
- For Sales Information: 1-800-232-2436

THE DOW CHEMICAL COMPANY

- Building Materials 200 Larkin Midland, MI 48674
- www.dowpipe.com

- 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)
- DOW CHEMICAL CANADA INC.
- Building Materials 1086 Modeland Rd. Sarnia, ON N7T 7K7
- www.dowpipe.com

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COMBUSTIBLE: Protect from high heat sources. Local building codes may require a protective or 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 in the U.S. or 1-519-339-3711 in Canada.

