

Pipe A-32

800-EJP-24 HR

Preformed Pipe Insulation (Field Applied)

Trymer 2000 Brand Polyisocyanurate Foam Insulation

Applications

Trymer 2000 is used extensively in industrial and commercial applications within the service temperature range of -297°F to +300°F (-190°C to 149°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.

Safety Considerations

Trymer 2000 requires some care in handling. All persons who work with these materials must know and follow the proper handling procedures. The current Material Safety Data Sheet contains additional information on the safe handling, storage and use of this material. A copy of the MSD can be obtained by calling 1-800-441-4369 or contacting your local EJP sales office.

Approvals/Specifications

Trymer 2000 has been tested and found to meet the requirements for the following specifications. Additional testing, special production runs or registrations may be required before the product is accepted for use in a specific application requiring one of these approvals. Needs must be determined on a case-by-case basis. Contact your local EJP sales office for assistance in determining suitability.

Military Specifications:

- MIL - P-26514 E, Type I, Class I
- MIL - P-21929 B, Class I (physical properties only)
- MIL - P-24172 A, Type I, Class I

Other Specifications:

- ASTM C-591, Type I (except R-value)
- FAR 25.853
- MVSS 302
- FSR-4553
- 32-MA-4b, Type I, Class I
- 32-MA-8



Shown Being Installed on Interior Piping; Also Recommended for Underground Applications

Physical Properties ⁽¹⁾	ASTM Method	English Units	Value ⁽²⁾
Density, min. ⁽³⁾	D 1622	lb/in ³	2.05
Compressive Strength, min. ⁽³⁾	D 1621	lb/in ²	
Parallel to Rise (thickness)			24
Perpendicular to Rise (width)			13
Perpendicular to Rise (length)			24
K-Factor (75°F mean temp.,)	C 518	BTU•in/hr•ft ² •°F	
Initial			0.141
Aged 180 days @75°F			0.190
R-Value/in. (75°F mean temp.)	C 518	Hr•ft ² •°F/BTU	
Initial			7.1
Aged 180 days @75°F			5.3
Closed Cell Content	D 2845	%	92
Water Absorption	D 2842	% by Volume	2
		lb/ft ²	
Water Absorption	C 272	% by Volume	0.15
Water Vapor Permeability	E 96	Perm-Inch	4
Dimensional Stability, max. ⁽³⁾⁽⁴⁾	D 2126	7 days	
@158°F(70°C), length		% change	-0.1
volume		% change	0.8
@-10°F(-23°C), length		% change	0.3
volume		% change	0.7
@-40°F(-40°C), length		% change	-0.2
volume		% change	-0.5
@300°F(149°C), length		% change	3.0
volume		% change	3.5
@158°F(70°C)/97% relative humidity, length		% change	2.0
volume		% change	3.0

- (1) All properties are measured at 74°F(23°C), unless otherwise indicated.
- (2) Unless otherwise indicated, data shown are average values obtained from representative production samples. These data may be used as a guide for design purposes, but should not be construed as specifications.
- (3) Minimum or maximum 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.

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Preformed Pipe Insulation (Field Applied)

Perma-Jac® "SX" Insulation Jacketing



2" Preformed Pipe Insulation with PVC Jacket

Features:

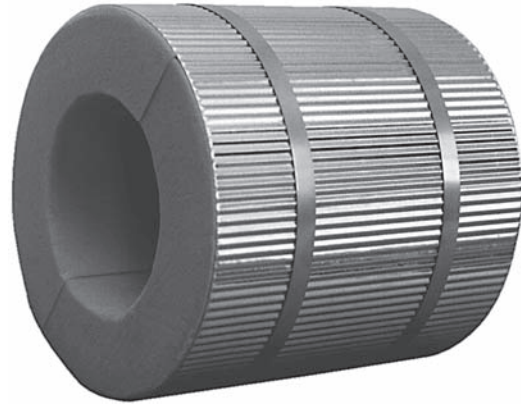
- Perma-Jac "SX" is a high impact, glossy white plastic jacketing material that is self-extinguishing.
- Perma-Jac "SX" is suitable for indoors or outdoors since it is manufactured with inhibitors to protect against ultra-violet break-down.
- The use of Perma-Jac "SX" solvent adhesive allows the system to be totally sealed, providing an excellent vapor barrier and a surface that is easily cleanable that meets U.S.D.A. requirements.

Product Information:

- Thickness — *.010", .020", .028" (.020 standard)
- Jacketing Sizes — 2" O.D. through 20" O.D.
- Fitting Sizes — 2" O.D. through 20" O.D.

* Solvent adhesive not recommended for .010". Use vinyl adhesive for this application.

Corrugated Aluminum Insulation Jacketing



2" Preformed Pipe Insulation with Aluminum Jacket and Steel Straps

Features:

- Jacketing is designed to assure a precise fit.
- Jacketing comes in 3'x100' rolls or cut to suit your application.
- Aluminum jacketing affords better protection for areas where PVC jacketing may be damaged from vandalism or other abuse.
- Supplied with 1-mil poly-weld vapor barrier. 3-mil optional.

Product Information:

- Corrugations are $\frac{3}{16}$ " deep.
- Standard thickness is .024"; other thicknesses are available.
- Jacketing is held in place with either $\frac{1}{2}$ " T/3003 aluminum or T/304 stainless steel straps and wing seals.

NOTE: Special applications can be accommodated with a wide variety of insulation(s) and jacketing...many not shown here. Please contact your local EJP sales office with your specific needs.