

DATA SHEET

DESCRIPTION

Zeston[®] Hi-Lo Temp fiberglass insulation inserts are flexible, pre-cut inserts for PVC pipe fittings. They are sized for each specific PVC fitting and are a lower-cost alternative to preformed or fabricated insulated elbows. The inserts are designed to meet the thermal requirements of ASTM C547 and ASHRAE 90.1.

Johns Manville A Berkshire Hathaway Company

Zeston Hi-Lo Temp Insulation Inserts are manufactured from rotaryprocess fiberglass bonded with a Formaldehyde-free™ resin. They are cut to size to be used in conjunction with JM's Zeston PVC fittings. Zeston Hi-lo Temp Insulation Inserts are flexible, odorless, and vibration resistant. They can save time and labor during installation and are designed to meet corresponding pipe insulation thermal value. The Zeston Hi-Lo Temp Insulation Inserts are made with a formaldehyde-free binder; however, all bonded fibrous insulation products made with formaldehyde-free binders will result in some formaldehyde emissions at temperatures that exceed 450°F.

USES

Zeston Hi-Lo Temp Insulation Inserts are used to insulate PVC fittings in operating temps between 0°F-850°F/-18°C-454°C. JM recommends installing one (1) Zeston Hi-Lo Temp Insulation Insert for every 1" of corresponding pipe insulation thickness. The insulation insert may emit minimal smoke and odor during the initial exposure to elevated temperatures. Keep the area well-ventilated during the initial heat-up.

PHYSICAL PROPERTIES

- 2" thick 1.0 PCF density
- Formaldehyde-free[™] acrylic binder
- Insulation is a white, light-weight, highly resilient, blanket-type thermal insulation manufactured from rotary process fiber glass
- Inserts are tabbed on sizes 2-10 and cut all the way through for largesize fitting inserts, to accommodate easy separation and resist tearing

<0.6%

Pass

Pass

7.5 - 12

North American Sales Offices,

<3500 BTU/IB

<5% by weight

< 25/50 (flame/smoke)

2" Thick/1 PCF Density

- Service Temp. Range (ASTM C411)
 0°F 850°F/-18°C 454°C
- Alkalinity
- Corrosivity (ASTM C665 & C1617)
- · Limited Combustibility
- Microbial Growth (ASTM C1338)
- Moisture Sorption
- PH
- Surface Burning Characteristics (ASTM E84)
- Uncompressed Insulation thickness/density



717 17th St. Denver, CO 80202 800-654-3103 www.JM.com

Eastern Region & Canada P.O. Box 158

Defiance, OH 43512 800-334-2399 Fax: 419-784-7866

Insulation Systems

Western Region & Outside North America P.O. Box 5108 Denver, CO 80217 800-368-4431 Fax: 303-978-4661



COMPRESSED THERMAL CONDUCTIVITY

Mean Temperature		К	
°F	°C	BTU ● in/(hr ● ft² ● °F)	W/M∙°C
75	24	.23	.033
150	66	.27	.039
300	149	.40	.058

SPECIFICATION COMPLIANCE

ASTM C547 ASTM C665 ASHRAE 90.1 Canada CAN/ULC S102 ASTM E84 25/50 rating

SUSTAINABLE BUILDING ATTRIBUTES

Recycled Content: 20%



Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of Zeston Hi-Lo Temp Fiberglass Insulation Inserts listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit www.jm.com/terms-conditions or call (800)654-3103.

MECHANICAL INSULATION

ZESTON® HI-LO TEMP INSULATION INSERTS

FIBERGLASS INSULATION INSERTS

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