

Zeston® PVC Jacketing

Jacketing for Commercial and Industrial Applications

Description

Made from the same PVC material as the fitting covers, Zeston® jacketing is designed to fit seamlessly over the Zeston fitting covers.

Available Shapes and Sizes

Zeston PVC Roll Jacketing is available in standard thicknesses of 10, 15, 20 and 30 mil (0.3, 0.4, 0.5 and 0.8 mm), and in standard widths of 35½ and 48 inches (902 and 1219 mm). Zeston roll jacketing is made from high impact UV-resistant (white only) polyvinyl chloride material designed to provide an inherent vapor retarder and protection to insulated pipes. Color roll jacketing is not recommended for outdoor applications.

Zeston PVC Cut & Curled™ Jacketing is available in thicknesses of 20 and 30 mil (0.5 and 0.8 mm). It is available in factory-cut sizes to fit up to 30 inches (762 mm) O.D. All sections of the Zeston PVC Cut & Curled jacketing are 48 inches (1219 mm) in length and are factory curled to the insulation size to fit snugly over longitudinal pipe. Cut & Curled jacketing is available with or without self-sealing lap tape (SSL) on the longitudinal seam. White only Zeston Cut & Curled jacketing contains a UV inhibitor. The 30 mil (0.8mm) thickness is recommended for outdoor applications. Color Cut & Curled jacketing is not recommended for outdoor applications.

Advantages

Exceptional Durability. The tough, durable Zeston PVC Jacketing resists damage from impact and will withstand humidity, salt water, adverse weather conditions and most industrial fumes. In addition, the jacketing will not support combustion.

Weatherability. When used outdoors, the ultraviolet-resistant 30 mil white PVC jacketing need not be painted or coated.



Operating Temperature Limits:

PVC: up to 150°F (66°C)

Flame Spread: 25 or less (up to 30 mil [0.8 mm])

Smoke Developed: 50 or less (up to 30 mil [0.8 mm])

Grade: weatherable

Color: white and colors (for color use only)

Finish: gloss

Corrosion Resistance. Unlike aluminum or most stainless steel jacketing materials, Zeston PVC Jacketing is immune to galvanic or electrolytic corrosion.

Ease of Maintenance. The jacketing is easily washed down with soap and water and most commercial cleaners. The ability to be easily cleaned, combined with the nontoxic, odorless and tasteless properties of the material and its attractive appearance, make it especially suitable for food, beverage and pharmaceutical applications.

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Specification Compliance

USDA, Agriculture Canada New York City MEA #7-87	L-P-535E,* Composition A, Type II, Grade GU
ICBO SBCCI BOCA	L-P-1035A,* Composition A, Type II, Grade GU Canada: CAN S102-M88
ASTM D1784, Class 16354-C	CGSB 51-GP-53M

*Impact strength determined by Gardner—SPI test method rather than Izod, since Gardner is more appropriate for PVC sheeting materials.

Physical Properties

Property	Value	ASTM Test Method
Specific Gravity	1.48	D792
Tensile Strength at Yield, psi (kPa)	6,000 (41,370)	D638
Elongation at Yield (MD), %	3.0	D638
Tensile Modulus, psi (kPa)	470,000 (3,240,650)	D638
Flexural Strength, psi (kPa)	11,600 (79,982) (min. thick specimen)	D638
Flexural Modulus, psi (kPa)	460,000 (3,171,700)	D790
Flame Spread	25 or less (up to 30 mil [0.8 mm])	E84
Smoke Developed	50 or less (up to 30 mil [0.8 mm])	E84
Electrical Conductance	Non-Conductor	D257
Gardner—SPI Impact,	10 mil (0.3 mm) 1.3	D3679
in. lb./mil by Ductile Failure	15 mil (0.4 mm) 1.4	4 lb. [1.8 kg]
	20 mil (0.5 mm) 1.5	weight;
	30 mil (0.8 mm) 1.6	8 lb. [3.6 kg]
		for 30 mil [0.8 mm])

Note: Chemical resistance data available on request.



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The physical and chemical properties of Zeston® Jacketing 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. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you to assure current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, including Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions, Limited Warranty and Limitation of Remedy and information on other Johns Manville thermal insulation and systems, call (800) 654-3103.

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