

DESCRIPTION

Zeston installation accessories offer outstanding compatibility and performance in the systems for which they are designed. When used in conjunction with the various Zeston products, they complete a systems package that features ease of installation, uniform appearance and optimum long-term insulation and protection. A complete Zeston system, using fully integrated components and accessories, will give you an easy-to-install, professional job that offers peak performance in a neat, uniform installation.

PERMA-WELD SOLVENT WELDING SYSTEM ADHESIVE

Perma-Weld low VOC welding system adhesive is applied with a standard applicator gun and forms a chemical bond between the PVC members. Initial set-up is approximately 10 minutes with complete adhesive curing achieved in 8 to 10 hours. Perma-Weld adhesive can be used on 20 and 30 mil jacketing. Perma-Weld adhesive is available in one quart (0.95 liter) containers and comes in both a white and clear offering. Perma-Weld adhesive is tested in accordance with ASTM D2564 and also meets SCAQMD Rule 1168/316A regarding VOC emissions less than 510 g/L.

Note: It is recommended that Perma-Weld adhesive be applied at temperatures above 40°F (4°C). Recommended use within 12 months of date code. Perma-Weld should always be stored below 100F (38C) and away from direct sunlight, heat, sparks, or other potential sources of ignition

PERMA-WELD ADHESIVE APPLICATOR

Pump-type gun for application of Perma-Weld adhesive. Holds 6 ounces (177 ml).

PERMA-WELD THINNER

Perma-Weld Thinner is used primarily for cleanup or removal of Perma-Weld Adhesive from applicator guns and equipment. Available in one-quart (0.95 liter) containers, it should not be used to thin adhesive. Thinning the adhesive will result in a non-VOC compliant compound. If thinning Perma-Weld adhesive is required please call the Johns Manville technical services hotline.

PVC Z-TAPE

Z-Tape was developed to provide excellent adhesion, even when applied during cold or humid weather. It is flexible polyvinyl chloride film coated with a specially formulated adhesive. Z-Tape is available in thicknesses of 5 mils (0.13 mm) and 10 mils (0.25 mm) and can be applied indoors and outdoors* at temperatures as low as 40°F (14°C) to achieve a strong, permanent bond. It has an effective installed temperature range of 0°F to 150°F (-18°C to 66°C).

Z-Tape has excellent resistance to chemicals, acids, alkali, oils, greases, bacteria and fungi. It can bridge gaps and cover almost any contour or shape for a complete seal.

*Z-Tape II is recommended for indoor use only.



SPECIFICATION DATA

Property	Z-Tape II*	Z-Tape*
Gauge, mils (mm)	5 ±0.5 (0.13 ±0.013)	10 ±1 (0.25 ±0.025)
Available color	White	White
Upper temperature limit	150°F (66°C), constant	150°F (66°C), constant
Lower temperature limit	0°F (-18°C), constant	0°F (-18°C), constant
Surface Burning Characteristics per ASTM E84	Flame spread: 5 Smoke developed: 0	Flame spread: 10 Smoke developed: 0
Adhesion to backing, oz/in (kg/mm)	14 (0.02)	30 (0.033)
Tensile strength lbs/in width (kN/m)	15 (2.6)	27 (4.7)
Elongation (%)	150	200
Finish	Smooth	Smooth
Dimensions	Available in 1", 1½" and 2" (25mm, 38mm and 51mm) widths Standard lengths: 108' (33 m) 1" (25mm) size 12/ctn. 1½"(38mm) size 8/ctn. 2"(51mm) size 6/ctn.	Available in 1", 1½" and 2" (25mm, 38mm and 51mm) widths Standard lengths: 100' (31 m) 1" (25mm) size 12/ctn. 1½"(38mm) size 8/ctn. 2"(51mm) size 6/ctn.

*Tests are conducted in accordance with ASTM D1000. Values indicated are typical.

WHITE, STAINLESS STEEL THUMB TACKS

Annular serrated stainless steel thumb tacks, 500 to a box, help speed the installation of Zeston PVC insulated fitting covers on hot work where a vapor retarder is not required.

INSTALLATION

For complete installation instructions, please see CI-35 brochure.

PVC Z-TAPE WIDTH RECOMMENDED AND APPROXIMATE NUMBER OF COVERS SEALED PER ROLL
OF TAPE (INCLUDES 2" [51M M] TAPE OVERLAP)

Tape width to use		Ceel-co cover size	No. of covers per roll		Long radius 90° (1.6 Rad.) sizes		No. of covers per roll*	Long radius 90° (1.6 Rad.) sizes		No. of covers per roll*
in	mm		90s & 45's	Tees	in	mm		in	mm	
1	25	1	84	56	2 x 1	51 x 25	36	14 x 1	356 x 25	11
		2	80	53	2 ⁵ / ₈ x 1 ¹ / ₂	67 x 38	30	14 x 1 ¹ / ₂	356 x 38	11
		3	73	49	3 x 1/2	76 x 13	36	14 x 2	356 x 51	10
		4	67	44	3 x 1	76 x 25	30	14 x 3	356 x 76	9
		5	61	41	4 x 1/2	102 x 13	30	16 x 1	406 x 25	10
		6	56	38	4 x 1	102 x 25	26	16 x 1 ¹ / ₂	406 x 38	10
		7	53	35	5 x 1/2	127 x 13	26	16 x 2	406 x 51	9
		8	48	32	5 x 1	127 x 25	23	16 x 3	406 x 76	8
1 ¹ / ₂	38	9	44	29	6 x 1/2	152 x 13	23	18 x 1	457 x 25	9
		10	40	27	6 x 1	152 x 25	20	18 x 1 ¹ / ₂	457 x 38	9
		11	36	24	6 x 1 ¹ / ₂	152 x 38	18	18 x 2	457 x 51	8
		12	32	22	8 x 1/2	203 x 13	18	18 x 3	457 x 76	8
		13	30	20	8 x 1	203 x 25	17	20 x 1	508 x 25	8
		14	28	19	8 x 1 ¹ / ₂	203 x 38	15	20 x 1 ¹ / ₂	508 x 38	8
		15	26	17	8 x 2	203 x 51	14	20 x 2	508 x 51	8
		16	24	16	10 x 1	254 x 25	14	20 x 3	508 x 76	7
		17	23	15	10 x 1 ¹ / ₂	254 x 38	13	24 x 1	610 x 25	7
		18	20	14	10 x 2	254 x 51	12	24 x 2	610 x 51	6
		19	18	12	12 x 1	305 x 25	12	24 x 3	610 x 76	6
		2	51	20	17	11	12 x 1 ¹ / ₂	305 x 38	11	
21	15			10	12 x 2	305 x 51	11			
22	14			9	12 x 3	305 x 76	10			
23	13			9						
24	12			8						
25	11			8						
26	11			7						
27	10			7						
28	10			6						
29	9			6						
30	9			—						
32	8			—						

*Use 29 (51 mm) tape only.



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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 the Zeston PVC accessories 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.