

**Zeston® PVC**  
Installation Accessories

**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 solvent welding system adhesive is applied with a standard applicator gun and forms a permanent chemical bond between the PVC members. It takes an initial set in 10 minutes with complete adhesive curing in 8 to 10 hours. Perma-Weld adhesive contains approximately 21% solids. If applied at a rate of 5 mils (0.005 inches), the coverage rate would be 320 square feet per gallon, resulting in a dried film approximately one mil thick. Perma-Weld adhesive can be used on 20 and 30 mil (0.5 mm and 0.8 mm) jacketing and most Zeston 2000/300 PVC insulated fitting covers where a totally sealed system is required, such as in the USDA market. Perma-Weld adhesive is available in one quart (0.95 liter) and one gallon (3.78 liter) containers.

**Note:** It is recommended that Perma-Weld adhesive be applied at temperatures above 40°F (4°C). Recommended use within 9–12 months of date code.

**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 single gallon (3.8 liter) containers or packed six quarts (0.95 liters/container) per case, it should be used sparingly to thin adhesive if necessary.

**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 (4°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	Flame spread: 5	Flame spread: 10
Characteristics per ASTM E84	Smoke developed: 0	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" (25 mm, 38 mm and 51 mm) widths Standard lengths: 108' (33 m)	Available in 1", 1½" and 2" (25 mm, 38 mm and 51 mm) widths Standard lengths: 100' (31 m)
Conforms to MIL-I-7798-C standard packaging	1" (25 mm) size 12 per ctn. 1½" (38 mm) size 8 per ctn. 2" (51 mm) size 6 per ctn.	1" (25 mm) size 12 per ctn. 1½" (38 mm) size 8 per ctn. 2" (51 mm) size 6 per 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.

# Zeston® PVC

## Installation Accessories

### PVC Z-TAPE WIDTH RECOMMENDED AND APPROXIMATE NUMBER OF COVERS SEALED PER ROLL OF TAPE (INCLUDES 2" [51 MM] 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	2½ x 1½	67 x 38	30	14 x 1½	356 x 38	11
		3	73	49	3 x ½	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 ½	102 x 13	30	16 x 1	406 x 25	10
		6	56	38	4 x 1	102 x 25	26	16 x 1½	406 x 38	10
		7	53	35	5 x ½	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
1½	38	9	44	29	6 x ½	152 x 13	23	18 x 1	457 x 25	9
		10	40	27	6 x 1	152 x 25	20	18 x 1½	457 x 38	9
		11	36	24	6 x 1½	152 x 38	18	18 x 2	457 x 51	8
		12	32	22	8 x ½	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 1½	203 x 38	15	20 x 1½	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 1½	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
		20	17	11	12 x 1½	305 x 38	11			
2	51	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.

#### North American Sales Offices, Insulation Systems

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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 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. Check with the Regional Sales Office nearest you for current information.

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