



INSUL-WRAP 850

Fiberglass Pipe/Tank Insulation

Insul-Therm's INSUL-WRAP 850 is a semi-rigid fiberglass pipe or tank insulation integrating 850°F (454°C), nominal 3 pcf premium quality fiberglass with flexible facings. INSUL-WRAP 850 is manufactured with 1" to 4" wall thickness and is provided in roll form. The standard jacket is ASJ (all service jacket) or FSK (fiberglass reinforced kraft). Metal or PVC jacketing is also available. The premium quality fiberglass is laminated perpendicular to the facing to provide increased compressive strength. INSUL-WRAP 850 is excellent for application on pipe, vessels and tanks 6" diameter and larger.

Technical Information

Density: Nominal 3pcf

Compressive Strength: Meets ASTM C-165. Minimum 150 PSF (10% deformation, 2" thickness), 275PSF (10% deformation, 3" and 4" thickness)

Temperature Range: -60° to 650°F (Maximum Fiber Temperature 850°F)

Vapor Transmission: .025 perms (Jacket Only)

Composite Surface Burning: All components with the exception of the glass mat facing are UL classified (ASTM E-84 and UL-723) and do not exceed 25 flame spread, 50 smoke developed.

Standard Sizes & Thickness:	1" x 36" x 27' - 81sf	2 1/2" x 36" x 20' - 60sf
	1-1/2" x 36" x 27' - 81sf	3" x 36" x 20' - 60sf
	2" x 36" x 27' - 81sf	4" x 36" x 20' - 60sf

The information herein is accurate and reliable to the best of our knowledge. Insul-Therm has no control over installation workmanship, accessory materials or conditions of applications and therefore cannot be responsible for the performance or results of an installation containing Insul-Therm's products which extends beyond the description on the face hereof.

For more information contact:



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Submit for Approval Per

Division _____ Section _____ Para _____
Project: _____ Engineer: _____
Customer: _____ Reference: _____

APPLICATIONS

INSUL-WRAP 850

INSUL-WRAP 850 is excellent for pipes, tanks, or vessels and is especially suited for retrofitting over existing insulated systems. INSUL-WRAP 850 is supplied in standard roll form 35¹/₂" wide by either 20ft or 27ft long. Using the stretch-out data provided here, INSUL-WRAP 850 is cut to the circumference desired, installed on the pipe or vessel, then it is stapled or banded into place. INSUL-WRAP 850 also reduces the inventory needed for the variety of applications it is suited for.

Stretch-Out Data

Nominal Pipe Size	Pipe Diameter	Insulation Thickness						
		1 in	1 1/2 in	2 in	2 1/2 in	3 in	3 1/2 in	4 in
6	6.625	30	33 1/8	36 1/4	39 3/8	43 1/8	45 5/8	48 7/8
7	7.625	33 1/8	36 1/4	38 3/8	43 1/8	45 5/8	48 7/8	52 1/8
8	8.625	36 1/4	38 3/8	43 1/8	45 5/8	48 7/8	51 1/8	55 1/4
9	9.625	39 3/8	43 1/8	45 5/8	48 7/8	52 1/8	55 1/4	58 3/8
10	10.75	43 1/8	46 1/4	49 3/8	52 1/2	55 5/8	58 3/8	61 7/8
11	11.75	46 1/4	49 3/8	52 1/2	55 5/8	58 3/8	61 7/8	65 1/4
12	12.75	49 3/8	52 1/2	55 5/8	58 3/8	61 7/8	65 1/4	68 3/4
13	13	52 1/2	55 5/8	58 3/8	61 7/8	65 1/4	68 3/4	71 7/8
14	14	55 1/4	58 3/8	61 7/8	65 1/4	68 3/4	71 7/8	75 1/4
15	15	58 3/8	61 7/8	65 1/4	68 3/4	71 7/8	75 1/4	78 3/8
16	16	61 7/8	65 1/4	68 3/4	71 7/8	75 1/4	78 3/8	81 1/2
17	17	65 1/8	68 3/4	71 7/8	75 1/4	78 3/8	81 1/2	84 3/4
18	18	69	72 3/8	75 1/4	78 3/8	81 1/2	84 3/4	87 7/8
19	19	72 3/8	75 1/4	78 3/8	81 1/2	84 3/4	87 7/8	91
20	20	75 3/4	78 3/8	81 1/2	84 3/4	87 7/8	91	94 1/8
21	21	78 3/8	81 1/2	84 3/4	87 7/8	91	94 1/8	97 1/4
22	22	81 1/2	84 3/4	87 7/8	91	94 1/8	97 1/4	100 3/8
23	23	84 3/4	87 7/8	91	94 1/8	97 1/4	100 3/8	103 5/8
24	24	87 7/8	91	94 1/8	97 1/4	100 3/8	103 5/8	106 3/4
25	25	91	94 1/8	97 1/4	100 3/8	103 5/8	106 3/4	110
26	26	94 1/8	97 1/4	100 3/8	103 5/8	106 3/4	109 7/8	113
28	28	100 3/8	103 5/8	106 3/4	109 7/8	113	116 1/8	119
30	30	103 5/8	106 3/4	109 7/8	113	116 1/8	119	122 3/8
32	32	106 3/4	109 7/8	113	116 1/8	119	122 3/8	125 5/8
34	34	109 7/8	113	116 1/8	119	122 3/8	125 5/8	128 3/4
36	36	113	116 1/8	119	122 3/8	125 5/8	128 3/4	131 7/8
38	38	116 1/8	119 3/8	122 3/8	125 5/8	128 3/4	131 7/8	135

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