

# 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) with FSK (fiberglass reinforced kraft) and metal jacketing 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.

<b>Standard Sizes &amp; Thickness:</b>	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	

*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.*

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#### Submit for Approval Per

Division \_\_\_\_\_ Section \_\_\_\_\_ Para \_\_\_\_\_

Project: \_\_\_\_\_ Engineer: \_\_\_\_\_

Customer: \_\_\_\_\_ Reference: \_\_\_\_\_

# APPLICATIONS

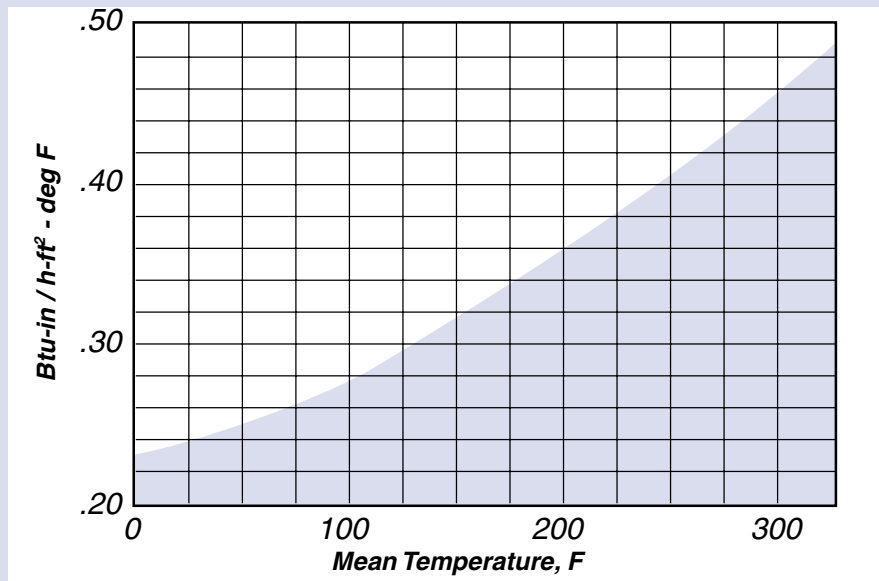
# INSUL-WRAP 850

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 35<sup>1</sup>/<sub>2</sub>" 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	53 5/8	56 3/8	59	
11	11.75	46 1/4	49 3/8	52 1/2	53 5/8	56 3/8	59	62 3/4	
12	12.75	49 3/8	52 1/2	53 5/8	56 3/8	59	62 3/4	65 7/8	
13	13	52 1/2	53 5/8	56 3/8	59	62 3/4	65 7/8	69	
14	14	53 1/4	56 3/8	59 5/8	62 3/4	65 7/8	69	72 3/8	
15	15	56 3/8	59 5/8	62 3/4	65 7/8	69	72 3/8	75 1/4	
16	16	59 5/8	62 3/4	65 7/8	69	72 3/8	75 1/4	78 3/8	
17	17	62 3/4	65 1/8	69	72 3/8	75 1/4	78 3/8	81 1/2	
18	18	65 7/8	69	72 3/8	75 1/4	78 3/8	81 1/2	84 3/4	
19	19	69	72 3/8	75 1/4	78 3/8	81 1/2	84 3/4	88 7/8	
20	20	72 3/8	75 1/4	78 3/8	81 1/2	84 3/4	88 7/8	91	
21	21	75 3/4	78 3/8	81 1/2	84 3/4	88 7/8	91	94 1/8	
22	22	78 3/8	81 1/2	84 3/4	88 7/8	91	94 1/8	97 1/4	
23	23	81 1/2	84 3/4	88 7/8	91	94 1/8	97 1/4	100 3/8	
24	24	84 3/4	88 7/8	91	94 1/8	97 1/4	100 3/8	103 5/8	
25	25	88 7/8	91	94 1/8	97 1/4	100 3/8	103 5/8	106 3/4	
26	26	91	94 3/8	97 1/4	100 3/8	103 5/8	106 3/4	110	
28	28	97 1/8	100 3/8	103 5/8	106 3/4	109 7/8	113	116 1/8	
30	30	103 5/8	106 3/4	109 7/8	113	116 1/8	119	122 3/8	
32	32	109 7/8	113	116 1/8	119	122 3/8	125 5/8	128 3/4	
34	34	116 1/8	119 3/8	122 3/8	125 5/8	128 3/4	131 7/8	135	

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**THERMAL CONDUCTIVITY  
(ASTM C177-71)**