

THERMAL-WRAP

Mineral Wool Insulation

THERMAL-WRAP is a conventional mineral wool insulation modified to enhance its strength and increase its versatility. This is accomplished by reorienting the fibers so that they are perpendicular to the points of normal stress and providing a carrier sheet which doubles as an exterior facing.

THERMAL-WRAP is furnished in roll form and depending upon the choice of facing, all of the components, including the adhesive, are UL rated and do not exceed 25 Flame Spread and 50 Smoke Developed.

THERMAL-WRAP can be used on both cold and heated pipes, ducts, and equipment from sub-zero to 1200°F. Typical applications include large piping of any size, cylindrical high pressure duct systems, breechings, roof drains and hubs, flanged fittings, hot water tanks, and traced piping.

PHYSICAL PROPERTIES	
Temperature Use Limits, °F	900°F constant Maximum Fiber Temperature 1200°F
Density	Nominal 6 lb pcf
Thermal Conductivity btu/hr sq. ft. (°F/in.)	
70°F Mean Temperature	0.28
100°F Mean Temperature	0.29
250°F Mean Temperature	0.39
Compressive Strength lbs/sq.in. at 25% compression	5.5
Dimensions	3' wide x 31' long rolls in 1", 1 1/2", 2", 3" thicknesses
Vapor Transmission	0.01 perm ASTM E96 Proc. A (WMP-ASJ)
Standard Size	
	1" x 36" x 31' - 93 sf
	1 1/2" x 36" x 31' - 93 sf
	2" x 36" x 31' - 93 sf
	2 1/2" x 36" x 31' - 93 sf
	3" x 36" x 31' - 93 sf

FEATURES INCLUDE:

Minimizes Stocking Problems -
Flexibility permits close fit to all sizes pipe, duct, and equipment, regardless of shape or contour.

Easy to Apply - Only a knife needed to cut most intricate shapes. Supplied in one piece.

Permanent, Inorganic, Fire Safe -
Glass fiber construction will not deteriorate. UL rated components comply with most stringent building codes.

Good Compressive Strength -
Superior to other forms of fiberglass insulation of equal and higher densities.



Bay Insulation Supply of L.A.

Div. of CWCI Insulation of L.A. Inc.

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FACINGS	DESCRIPTION
ASJ - ALL SERVICE JACKET Flame Spread 20 Smoke Developed 35	Laminated .001 aluminum foil, glass reinforcing, and white kraft paper.
GLASS MAT	Lightweight glass mat comprised of fine glass fibers, reinforced with a resin and a swirl pattern of fiberglass yarn.
FOIL-SCRIM-KRAFT UL VAPOR BARRIER Flame Spread 25 Smoke Developed 20	Laminated construction of aluminum foil, glass fiber reinforcing, and kraft paper. The laminating adhesive is flame extinguishing.

NOTE: A. Available aluminum jacket 0.010, 0.016, or 0.020
B. Available with PVC jacketing 0.010, 0.015, or 0.020

CUT TO SIZE CHART				
Approximate Length in Inches** to Cut Rolls to Fit Large Pipes and Ducts				
PIPE SIZE	1"	1½"	2"	3"
10"	40	49 ½		
12"	46 ¾	49 ½		
14"	50 ¼	53 ¾		
16"	56 ½	59 ¾	62 ⅞	
18"	62 ⅞	66	69 ⅛	
20"	69 ⅛	72 ¼	75 ¾	
22"	75 ¾	78 ½	81 ¾	88
24"	81 ¾	84 ⅞	88	94 ½
26"	88	91 ⅞	94 ¼	100 ½
28"	94 ¼	97 ¾	100 ½	106 ⅞
30"	100 ½	103 ¾	106 ⅞	113 ⅛
32"	106 ⅞	110	113 ⅛	119 ¾
34"	113 ⅛	116 ¼	119 ¾	125 ¾
36"	119 ¾	122 ½	125 ¾	132
38"	125 ¾	128 ¾	132	138 ¼
40"	132	135 ⅛	138 ¼	144 ½
42"	138 ¼	141 ¾	144 ½	151

** The above dimensions do not include a lap. ADD 2" through 4" for a lap.

EXAMPLE: To replace 18" x 2" pipe covering:

1. Cut piece 72 ⅛" long (69 ⅛" plus 3" for lap.)
2. Strip off 3" of the fiberglass leaving the jacket in tact.
3. Physically apply to the pipe the first section cut of any size to verify the exact dimension.

Above may be cut by Bay Insulation Supply of L.A. for an additional charge.