



RIGIDFLEX® 1000 INSULATION

Description

Rigidflex-1000 is made from semi-rigid mineral wool and provides superior compressive strength. The insulation is bonded to the ASJ or FSK jacket with perpendicular fiber orientation. This provides a flexible product that is easily wrapped around pipes (including heat tracing) duct, tanks, flanges, valves and irregular shapes with operating temperatures up to 1000°F. The high compressive strength yields a very durable and abuse resistant product. The universal fit eliminates the need to stock uncommon large size pipe covering. RigidFlex-1000 is furnished in rolls 36 inches wide, in various lengths and thicknesses up to 4 inch.

Features and Benefits

- Perpendicular fiber orientation provides superior compressive strength, durability and abuse resistance for enhanced service life.
- The enhanced ASJ finish provides a wrinkle resistant, cleanable finish with better overall appearance.
- Cut to size rolls eliminate long lead times associated with uncommon large pipe sizes
- One size fits all solution reduces stocking requirements
- Class A rated components per ASTM E84 for fire safety
- Roll sizes provide superior pipe coverage while reducing storage space as well as freight costs vs molded pipe

Compliance and Performance

ASTM C1393, Standard for Perpendicular Oriented Mineral Fiber Roll and Sheet Thermal Insulation for Pipes and Tanks, Type IVA, Category 1

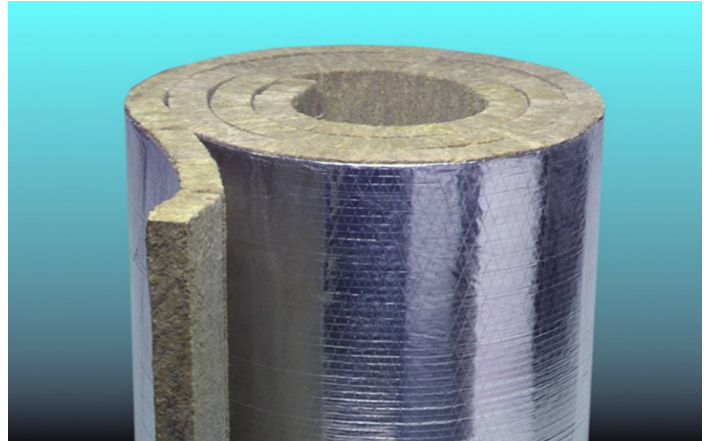
Performance Data

Operating Temperature Range: ASTM C1393,	Up to 1000°F
Surface Burning Characteristics*: ASTM E84,	25/50 or less
Compressive Strength @ 10% deformation: ASTM C1393,	Complies
Water Absorption / Vapor Sorption*: ASTM C1104,	<1% by Weight
Corrosion of Steel*: ASTM C665,	Complies
Jacket Permeance*: ASTM E96,	0.02 perms
Jacket Temperature Limitation*: ASTM C1136,	150°F

Caution: For high temperature applications, maintain outer surface temperature below 150°F for ASJ and FSK facing.

Thermal Conductivity: ASTM C518

Mean Temp. °F	K (Btu*in/hr*ft²*°F)
75	0.27
100	0.29
200	0.32
300	0.38
400	0.47
500	0.60
600	0.75



RIGIDFLEX 1000 INSULATION with FSK Jacket

Cut to Size Table - Approx. length (") to Fit Pipe Etc.

(Add 2 to 4" to listed dimension for jacket seam lap)

Pipe Size	Thickness	1"	1-1/2"	2"	3"
10"	40				
12"	46-3/8	49-1/2			
14"	50-14	53-3/8			
16"	56-1/2	59-3/4	62-7/8		
18"	62-7/8	66	69-1/8		
20"	69-1/8	72-1/4	75-3/8		
22"	75-3/8	78-1/2	81-3/4	88	
24"	81-3/4	84-7/8	88	94-1/4	
26"	88	91-1/8	94-1/4	100-1/2	
28"	94-1/4	97-3/8	100-1/2	106-7/8	
30"	100-1/2	103-3/4	106-7/8	113-1/8	
32"	106-7/8	110	113-7/8	119-3/8	
34"	113-1/8	116-1/4	119-3/8	125-3/4	
36"	119-3/8	122-1/2	125-3/4	132	
38"	125-3/4	128-3/4	132	138-1/4	
40"	132	135-1/8	138-1/4	144-1/2	
42"	138-1/4	141-3/8	144-1/2	151	

Note: some smoke and odor can be expected during initial heat up above 450°F due to oxidation of organic binder material. Minimize smoke and odor by following a heat up schedule. Begin at 300°F and increase by 100°F per hour until reaching temperature.

*Technical data provided by component material manufacturer RigidFlex insulation is available through our North American network of SPI locations. Availability typically 5 - 7 days ARO. Additional Product information at www.spi-co.com

Disclaimer and Limitation of Warranty. The purchaser/user is advised to consult with the appropriate professionals and to read the manufacturer's product information to determine the adequacy or appropriateness of the product for the use intended. SPI makes no claim or representation regarding the use or applicability of the products. Further, SPI makes no warranty, expressed or implied and disclaims all warranties including warranties of merchantability and fitness for a particular purpose.

For additional Information please visit

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