



RIGIDFLEX® INSULATION

Description

RigidFlex is made from fiberglass insulation board and provides superior compressive strength vs typical fiberglass pipe insulation. The insulation is bonded to the jacketing with perpendicular fiber orientation. This provides a flexible product that is easily wrapped around pipe (including heat tracing), tanks, flanges, valves and irregularly shapes such as grouped pipe runs. The high compressive strength yields a durable, abuse resistant product. Roll lengths makes dealing with large diameter pipe quick and easy, simply cut to the required length. Using RigidFlex eliminates potential delays associated with long lead times for uncommon, larger pipe sizes. The enhanced ASJ (all service jacket) provides a wrinkle resistant, durable and cleanable surface that doesn't support mold or mildew. An alternate FSK (foil, scrim, kraft) facing also available.

Features and Benefits

- The 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.
- Eliminates long lead times typically associated with uncommon, large pipe sizes to meet demanding schedules.
- One size fits all solution reduces stocking requirements.
- Components are Class A rated per ASTM E84 for fire safety.

Availability

Typical 5-7 days ARO

Standard Roll Size: (3' Wide)

Thickness	SF/ Roll
1"	126
1 1/2"	81
2"	60
2 1/2"	45
3"	38
3 1/2"	30
4"	30

RigidFlex Insulation is available through our North American network of SPI locations.

Additional product information at www.spi-co.com



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Standard Performance Compliance

ASTM C1393, Standard Specification for Perpendicular Oriented Mineral Fiber Roll and Sheet Thermal Insulation for Pipes and Tanks, Types I and II, Category 1.

Performance Data

- Operating temperature Range:** ASTM C411 Up to 650°F
- Surface Burning Characteristics:** ASTM E84, 25/50 or less
- Compressive Strength:** ASTM C165, 125psf @ 10% deformation
- Water Absorption/Vapor Sorption:** ASTM C1104, <1% by weight
- SCS Certified:** Contains an average 53% recycled glass content
- Jacket Permeance:** ASTM E96, 0.02 Perm
- Jacket Temperature Limitation:** ASTM C1136, -20°F to 150°F
- Caution:** For high temperature applications, maintain outer surface temperature below 150°F due to ASJ and FSK facing limits.

Thermal Conductivity: Mean Temp. °F	ASTM C177 K (Btu*in/hr*ft²*°F)
75	0.27
100	0.29
150	0.33
200	0.38
250	0.43
300	0.48

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 manufacturers

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