



Fiberglas™ Pipe Insulation Compliance to ASTM C547 and UL Labeled

Technical Bulletin

Owens Corning™ Fiberglas™ Pipe Insulation meets the requirements of ASTM C547 titled: *Standard Specification for Mineral Fiber Pipe Insulation; Type I.*

In addition, Owens Corning™ Fiberglas™ Pipe Insulation meets the requirements of ASTM C1338 titled: *Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings.*

The two jacketing materials, ASJ and Evolution, both comply with ASTM C1136 titled: *Standard Test Specification for Flexible, Low Permeance Vapor Retarders for Thermal Insulation*

Neither No-Wrap (unfaced) fiberglass pipe insulation nor any component used to produce jacketed pipe insulation contains the flame-retardant substance deca-brominated diphenyl (decaBDE; or penta- or octa-).

Owens Corning™ Fiberglas™ Pipe Insulation is classified by Underwriters Laboratory under UL file RI4111 for Surface Burning Characteristics, and is eligible to carry the designation "FHC 25/50". To maintain this Listing by UL, the Owens Corning Newark, Ohio Plant that produces this product is inspected by UL monthly. Through testing and monthly inspections, Owens Corning is authorized to print a UL Label on every box of Owens Corning™ Pipe Insulation.

- When testing per UL 723/ASTM E84, the full pipe composite is prepared per ASTM E2231 titled: *Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics.* The full composite that is tested includes: fiberglass pipe board; jacket adhesive; jacketing; and jacket closure for compliance to FHC 25/50.

Key Physical Properties for the product are:

Property	Test Method	Value
Composite Surface Burning Characteristics	UL 723 or ASTM E 84	Flame Spread 25 Smoke Developed 50
Operating temperature range	ASTM C 411	0 to 850° F
Jacket Permeance, perms	ASTM E 96	0.02
Thermal Conductivity @75°F, Btu-in/(hr ft2 Deg F)	ASTM C 335*	0.23
Density, pcf	ASTM C 302	4.5 +/- 1.0

* Note: ASTM C 335 "Standard Test Method for Steady-State Heat Transfer Properties of Horizontal Pipe Insulation" is used to characterize the performance of OC pipe insulations.

Please contact 419-248-6557 for additional information. Email: gettech@owenscorning.com

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