

PRODUCT DESCRIPTION

Einsulation® Fiber Glass Pipe Insulation is made from inorganic glass fibers and bonded with a thermosetting resin. Each section is 36" long and can be opened easily to fit over the pipe to be insulated. The pipe insulation comes jacketed with an All Service Jacket (ASJ) which is a high intensity white kraft paper bonded to a metallized polyester film reinforced with tri-directional fiberglass. The longitudinal lap of the jacket has a self-sealing adhesive strip. A pre-cut "butt strip" is provided for each section.

Einsulation® Fiber Glass Pipe Insulation is also available unjacketed for use in applications which require a special purpose field installed jacketing.

APPLICATION

Einsulation® Fiber Glass Pipe Insulation is used for the thermal insulation of piping operating at temperatures up to 850°F (454°C) in buildings and industrial plants.

KEY ADVANTAGES

Excellent thermal performance

Low thermal conductivity means lower operating costs.

Low cost installation

High quality ASJ enables rapid installation, eliminating the need for staples and special tools.

Exceeds Fire Code Ratings

Flame spread rating of 20 and a smoke developed rating of 30, exceeding the limit of 25/50.

Size Identification

Each section is marked with the pipe size and wall thickness at one end of the ASJ to enable easy identification. The size identification is covered up by the butt strips after installation.

Vapor Retarder Jacket

The all service jacketing is a vapor retarder and adds a clean and finished look to the installed product.

PRODUCT DATA

Service Temperature from 0°F to 850°F
 Standard Length 36"
 Standard Thickness from 1/2" through 5"
 Iron Pipe Sizes from 1/2" to 16"
 Copper Pipe Sizes from 5/8" to 6 1/8"
 All Dimensions comply with ASTM C-585
 No asbestos content

SPECIFICATION COMPLIANCE

ASTM C 547 Type 1
 ASTM C 585
 ASTM C 795
 ASTM C 1136 Type I, II, III, IV



TECHNICAL DATA

Surface Burning Characteristics (ASTM E-84)

Does not exceed 20 Flame Spread and 30 Smoke Developed when tested in accordance with ASTM E-84.

Temperature Range

Pipe operating temperatures from 0°F to 850°F

Water vapor transmission (ASTM E-96, Procedure A)

Jacket has water vapor permanence of 0.02 perm or less.

Corrosiveness

No greater than sterile cotton.

Stress Corrosion

Complies with ASTM C 795,

Alkalinity (ASTM C871)

Less than 0.6% as Na₂O

pH between 7.5 and 10.0

Microbial Growth (ASTM C1338)

Does not promote microbial growth.

Water Vapor Sorption (ASTM C1104)

Less than 0.2% by volume.

Linear Shrinkage (ASTM C356)

Negligible

Bursting Strength of Jacket (ASTM D774)

80 psi

Puncture Resistance of Jacket (ASTM C1136)

60 Beach Units

Thermal Conductivity Chart

Mean Temp °F	100	200	300	400	500
"k" BTU in/ft ² h°F	0.24	0.29	0.36	0.44	0.55

