

DELTA®-FPF



FIELD PREFORMED MINERAL WOOL PIPE INSULATION

Thermally Efficient-Lightweight

DELTA®-FPF is a actual 7 pound density **Field PreFormed** half- cylinder pipe insulation manufactured from felted mineral wool bonded together with a high temperature binder. It is produced to fit precise NPS and tubing pipe sizes for commercial and industrial applications ranging from -20°F(-29°C) to 1200°F*(649°C*).

DELTA®-FPF mineral wool incorporates an additive which makes the insulation water repellent*.

Physical Properties

All values in () are metric conversions.

Density Actual. 7 lb./ft³ (112 kg./m³)
Thermal Conductivity: °F (°C) mean temp.= Btu in./h ft²
°F (W/m K)[per ASTM C335-89 with C1045 calculations]
75°F (24°C) mean temp.= 0.23 (0.035)
200°F (93°C) mean temp.= 0.29 (0.042)
300°F (149°C) mean temp.= 0.35 (0.050)
500°F (260°C) mean temp.= 0.48 (0.069)
600°F (316°C) mean temp.= 0.56 (0.080)

Service Temperature [C 411-87].up to **1200°F*(649°C*)**
Corrosion [Steel, Alum., Copper].....None
Moisture Adsorption [Vapor]..... Less than 1%
Water *wicking* resistant* and Non-hygroscopic.*
Does Not promote growth of fungi or bacteria.

Mineral wool is "*Incombustible*" [ASTM E 136]
Surface Burning Characteristics: [ASTM E 84 Test Method]

Flame Spread = 25 or Less Smoke Developed = 50 or Less

Forms Available

DELTA®-FPF is manufactured in flat V-grooved three foot sections sized for a precise pipe & tubing diameters. Each V-groove containing a pressure sensitive bonding agent can be closed in the field (jobsite) to form half or optional hinged whole cylinders. Delta-Field PreFormed cylindrical sections are produced for iron pipe sizes 2 1/2" to 48", copper tube sizes 2 5/8" to 12 1/8", and duct sizes 4" to 72" (very large diameters may be in Field PreFormed cut quad-segments). Available in single layer thickness from 1" to 4" in 1/2" nominal increments per ASTM C585. Double layered thickness(s) available by special order.

Jacketing Available

DELTA®-FPF standard pipe insulation is furnished with no facing {plain} for sectional pipe sizes up to 2" NPS, with glass mat facing for 2" NPS and larger, and *optional* in all pipe & tubing sizes with ASJ/SSL [All Service Jacket with Self-Sealing-Lap]. Other jacketing such as F.S.K. [Foil-Scrim-Kraft] are available upon request. **Caution:** For high temperature applications, sufficient insulation thickness must be used to maintain outer surface temperatures below 240°F.(115°C.) for ASJ and FSK facings.

Specifications

Pipe Insulation:
ASTM C 547 and ASTM C 585
U.S. Federal Specification HH-I-558B

Jacketing: ASJ and/or FSK / FRK:
ASTM C 1136 and U.S. Federal Spec. HH-B-100B
Underwriters Laboratories UL-723

Stainless Steel Stress Corrosion Specification:
Special provisions apply concerning lot testing, Contact manufacturer...

ASTM C 795, per test methods C 871, & C 692
MIL-I-24244 B & C [ships] and NRC Reg. Guide #1.36

*Consult manufacturer for limitations under elevated temperature conditions.