

DELTA®-PC



PRECISION CUT MINERAL WOOL PIPE INSULATION

Thermally Efficient-Lightweight

DELTA®-PC is a Precision Cut V-groove pipe insulation manufactured from felted mineral wool bonded together with a high temperature binder. It is produced to fit precise pipe and tubing sizes for commercial and industrial applications from -20°F (-29°C) to 1200°F (649°C). DELTA®-PC 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]
Plain surface, glass mat & ASJ facings:
Flame Spread Index..... 25 or Less
Smoke Developed Index..... 50 or Less

Forms Available

DELTA®-PC is manufactured in three-foot sections for iron pipe sizes ½" to 48" NPS, copper tube sizes 5/8" to 121/8" NPS, and duct sizes 4" to 72". Available in single layer thickness from 1" to 4" and double layered thickness from 4½" to 8" in ½" nominal increments per ASTM C 585.

Jacketing Available

DELTA®-PC 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 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 maintained 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
U.S. Federal Specification 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.