

## PRECISION CUT MINERAL WOOL PIPE INSULATION

### Thermally Efficient-Lightweight

**DELTA®-PC** is a Precision Cut V-groove pipe insulation manufactured from 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 ..... Nom. 8 lb./ft<sup>3</sup> (128 kg./m<sup>3</sup>)  
 Thermal Conductivity: °F.(°C) mean temp.= Btu in./h ft<sup>2</sup>  
 °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.= 0.57 (0.082)

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] and TGH-1000® are available upon request.

**Caution:** For high temperature applications, sufficient insulation thickness must be used to maintained outer surface temperatures below 150°F.(66°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.