



V-GROOVE THERMALLY EFFICIENT AND LIGHTWEIGHT STONEWOOL PIPE INSULATION

GreatROC® Precision Cut is a V-groove pipe insulation manufactured from stone wool bonded 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 1400°F*(760°C).

GreatROC® Precision Cut stone wool incorporates an additive which makes the insulation water repellent*. Finished product ships flat with no glue in joints.

Physical Properties

All values in () are metric conversions.

Density..... Nom. 10 lb./ft³ (160 kg./m³)

Thermal Conductivity:

°F.(°C) mean temp.= Btu in./h ft²

°F (W/m K)[per ASTM C335 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] up to 1400°F*(760°C*)

ASTM C165 with a compressive strength of 720psf (34.4kPa)

@ 10% compression

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.

Stone wool is "Incombustible": ASTM E 136

Surface Burning Characteristics: ASTM E 84

Plain surface, glass mat & ASJ facings available

Flame Spread Index..... 25 or Less

Smoke Developed Index..... 50 or Less

Specifications

Pipe Insulation:

ASTM C547 and ASTM C585

U.S. Federal Specification HH-I-558B

Jacketing:

ASJ or FSK / FRK:

ASTM C1136, U.S. Federal Spec. HH-B-100B and

Underwriters Laboratories UL-723

Stainless Steel Stress Corrosion Specification:

Confirms to ASTM C795, per test methods

C871, & C692 MIL-I-24244 B & C [ships] and NRC

Reg. Guide #1.36

Forms	Iron Pipe	Copper	Ducts
3 Ft. half cylinders	½" to 72"	⅝" to 12⅝"	4" to 72". Larger sizes are quad-segmented

Thickness: Single layer from 1" to 4". Double layered from 4½" to 8" in ½" increments per ASTM C585.

Jacketing Options

GreatROC™ Precision Cut 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. [FoilScrim-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.

* Consult manufacturer for limitations under elevated temperature conditions.