

SPECIFICATIONS

GLT Products Pipe and Tank Insulation is a semi-rigid wrap designed to insulate large piping and other curved surfaces, such as pipes with tracing lines, most fittings, and other irregular shapes.

Available in two materials, both designed for different temperature applications with facing options FSK, ASJ (0.02 Perm), and Glass Mat.

Mineral Wool: Used to insulate hot surfaces up to 1000°F.

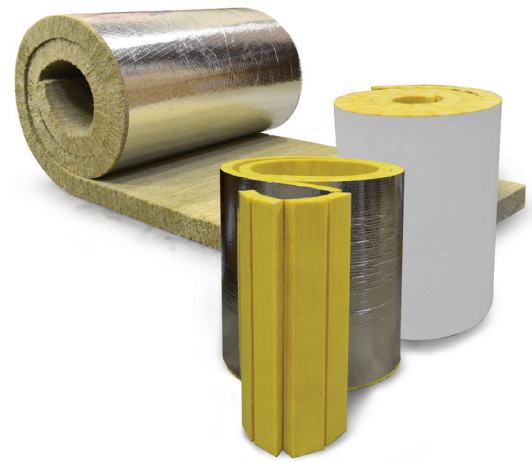
Fiberglass: Used to insulate cold and hot surfaces from 0°F to 650°F.

Benefits

Pipe and Tank Insulation eliminates the need for stocking large diameter pipe insulation, thereby eliminating job returns on slow moving items.

Features

Pipe and Tank Insulation wraps are available in a variety of facings (ASJ, FSK, and Glass Mat). They are manufactured with the fibers perpendicular to the surface, which gives the material the characteristics of a rigid board. Pipe and Tank Insulation can be applied using stainless steel banding or tie wire, CD weld pins, or cup head pins. The material is available in 36" widths and thicknesses ranging from 1" to 4".



Properties	Mineral Wool	Fiberglass
Temperature range, ASTM C1393	Up to 1000° F	Up to 650° F
Water Absorption / Vapor Sorption, ASTM C1104	< 1% by weight	< 2% by weight
Compressive strength at 10% deformation, ASTM C1393	Complies	Complies
Thermal conductivity, 75°F mean temp., ASTM C518, C177	0.27	0.27
Facings	ASJ, FSK or Glass Mat	ASJ, FSK or Glass Mat*
Surface burning characteristics, per ASTM E84	25 Flame Spread, 50 Smoke Development or less	
Standard roll sizes	1" × 36" × 33½' 100 sq. ft./roll 1½" × 36" × 33½' 100 sq. ft./roll 2" × 36" × 16¾' 50 sq. ft./roll 2½" × 36" × 16¾' 50 sq. ft./roll 3" × 36" × 16¾' 50 sq. ft./roll 3½" × 36" × 16¾' 50 sq. ft./roll 4" × 36" × 11' 33 sq. ft./roll	
Standard compliance	Board: ASTM C612 Type IVA, ASTM: C795, C692, C665, E136 Facings: ASTM E96, ASTM C1136	

Caution: For high temperature applications, sufficient insulation thickness must be used to maintain outer surface temperatures below 150°F (66°C) for ASJ and FSK facings.

*Glass mat is not recommended for fiberglass thicknesses greater than 3".

Properties continued

Fiberglass Pipe and Tank Thermal Conductivity at Mean Temperature per ASTM C177

Properties		Performance				
Temperature (°F)	75	100	150	200	250	300
Btu.in/hr.ft ² .°F	0.27	0.29	0.33	0.38	0.43	0.49
Temperature (°C)	25	50	75	100	125	150
W/mK	0.037	0.045	0.050	0.056	0.063	0.070

Some smoke and odor can be expected during initial heat up above 450° due to oxidation of organic binder material.

To minimize smoke and odor follow a heat-up schedule:

Begin at 300° F and increase by 100° F per hour until reaching temperature.

The insulation properties are not affected; however, adequate ventilation should be provided.

CAUTION: Care must also be taken when using sealants, solvents or flammable adhesive during product installation.

Mineral Wool Pipe and Tank Thermal Conductivity at Mean Temperatures per ASTM C518

Properties		Performance					
Temperature (°F)	75	100	200	300	400	500	600
Btu.in/hr.ft ² .°F	0.27	0.29	0.32	0.38	0.47	0.60	0.75
Temperature (°C)	24	38	93	149	204	260	316
W/mK	0.039	0.042	0.046	0.055	0.068	0.086	0.108

Some smoke and odor can be expected during initial heat up above 450° due to oxidation of organic binder material.

To minimize smoke and odor by following a heat-up schedule:

Begin at 300° F and increase by 100° F per hour until reaching temperature.

The insulation properties are not affected; however, adequate ventilation should be provided.

CAUTION: Care must be taken when using sealants, solvents or flammable adhesive during product installation.

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