

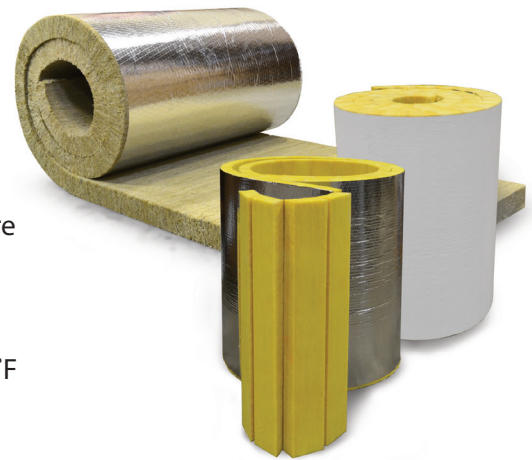
## SPECIFICATIONS

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 the two materials both designed for different temperature applications with facing options of FSK, ASJ and Glass Mat.

**Mineral Wool:** Used to insulate hot surfaces up to 1200°F.

**Fiberglass:** Used to insulate cold and hot surfaces from -60°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 cuphead pins. The material is available in 36" widths and thicknesses ranging from 1" to 4".

Properties	Mineral Wool	Fiberglass
Temperature range	Up to 1200° F	-60°F to 650°F
Density	Available in 6 or 8 PCF	4.5 PCF
Compressive strength	Not less than 125 PSF at 10% deformation	
Thermal conductivity at 75°F mean temperature	0.30	0.27
Facing	ASJ, FSK or Glass Mat	ASJ, FSK or Glass Mat*
Surface burning characteristics	All components tested to ASTM-E84, does not exceed 25 Flame Spread and 50 Smoke Development.	
Standard roll sizes	1" × 36" × 33½' ..... 100 sq. ft./roll 1½" × 36" × 33½' ..... 100 sq. ft./roll 2" × 36" × 16⅔' ..... 50 sq. ft./roll 2½" × 36" × 16⅔' ..... 50 sq. ft./roll 3" × 36" × 16⅔' ..... 50 sq. ft./roll 3½" × 36" × 16⅔' ..... 50 sq. ft./roll 4" × 36" × 11' ..... 33 sq. ft./roll	
Standard compliance	Federal Spec HH-I-558B, ASTM C-612-93 (Board stock, Federal Spec HH-B-100B (Facing Only), ASTM C-795-08	

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

## Pipe and Tank Recommended Thickness

### Fiberglass

Insulation thickness needed to keep surface temperature at or below the 140°F maximum required.

TEMP °F	350	450	550	650	750	850
8" IPS	1"	1½"	2"	2½"	3"	4"
10" IPS	1"	1½"	2"	2½"	3½"	4"
12" IPS	1"	1½"	2"	2½"	3½"	4½"
14" IPS	1"	1½"	2"	2½"	3½"	4½"
16" IPS	1"	1½"	2"	3"	3½"	4½"
18" IPS	1"	1½"	2"	3"	3½"	4½"
20" IPS	1"	1½"	2"	3"	3½"	4½"
22" IPS	1"	1½"	2"	3"	3½"	4½"
24" IPS	1"	1½"	2"	3"	4"	4½"

25" IPS + up, including flat surfaces - use 24" IPS data. Thickness calculations are based on 80°F ambient air, ASJ jacket and zero mph wind.

Some smoke and odor can be expected during initial heat up above 450° due to oxidation of organic binder material. The insulation value of the product is not affected; however, adequate ventilation should be provided. Care must also be taken when using sealants, solvents or flammable adhesive during installation of this product.

### Mineral Wool

Insulation thickness needed to keep surface temperature at or below the 140°F maximum required.

TEMP °F	500	600	700	800	900	1000	1100	1200
8" IPS	1½"	2"	2½"	3"	4"	5"	6"	7"
10" IPS	1½"	2"	2½"	3½"	4"	5"	6"	7"
12" IPS	1½"	2"	2½"	3½"	4½"	5"	6"	7"
14" IPS	1½"	2"	2½"	3½"	4½"	5"	6"	7"
16" IPS	1½"	2"	3"	3½"	4½"	5"	6"	7"
18" IPS	1½"	2"	3"	3½"	4½"	5"	6"	7"
20" IPS	1½"	2"	3"	3½"	4½"	5"	6"	7"
22" IPS	1½"	2"	3"	3½"	4½"	5"	6"	7"
24" IPS	1½"	2"	3"	4"	4½"	5"	6"	7"

25" IPS + up, including flat surfaces - use 24" IPS data. Thickness calculations are based on 80°F ambient air, ASJ jacket and zero mph wind.

Some smoke and odor can be expected during initial heat up above 450° due to oxidation of organic binder material. The insulation value of the product is not affected; however, adequate ventilation should be provided. Care must also be taken when using sealants, solvents or flammable adhesive during installation of this product.

GLT Products proudly manufactures and distributes high quality goods used in the mechanical insulation industry. Technical specifications illustrated in this document represent typical, average values obtained in accordance with accepted test methods, are subject to normal manufacturing variations and are subject to change without notice. Installation, design, or application conditions are out of GLT Products control, as such no warranties, expressed or implied, are given. Fitness for use is the sole determination of the purchaser.