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PIPE & TANK RECOMMENDED THICKNESS

(Minimum for personal protection)

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"	1-1/2"	2"	2-1/2"	3"	4"
10" IPS	1"	1-1/2"	2"	2-1/2"	3-1/2"	4"
12" IPS	1"	1-1/2"	2"	2-1/2"	3-1/2"	4-1/2"
14" IPS	1"	1-1/2"	2"	2-1/2"	3-1/2"	4-1/2"
16" IPS	1"	1-1/2"	2"	3"	3-1/2"	4-1/2"
18" IPS	1"	1-1/2"	2"	3"	3-1/2"	4-1/2"
20" IPS	1"	1-1/2"	2"	3"	3-1/2"	4-1/2"
22" IPS	1"	1-1/2"	2"	3"	3-1/2"	4-1/2"
24" IPS	1"	1-1/2"	2"	3"	4"	4-1/2"

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 materials. 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	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	7"
10" IPS	1-1/2"	2"	2-1/2"	3-1/2"	4"	5"	6"	7"
12" IPS	1-1/2"	2"	2-1/2"	3-1/2"	4-1/2"	5"	6"	7"
14" IPS	1-1/2"	2"	2-1/2"	3-1/2"	4-1/2"	5"	6"	7"
16" IPS	1-1/2"	2"	3"	3-1/2"	4-1/2"	5"	6"	7"
18" IPS	1-1/2"	2"	3"	3-1/2"	4-1/2"	5"	6"	7"
20" IPS	1-1/2"	2"	3"	3-1/2"	4-1/2"	5"	6"	7"
22" IPS	1-1/2"	2"	3"	3-1/2"	4-1/2"	5"	6"	7"
24" IPS	1-1/2"	2"	3"	4"	4-1/2"	5"	6"	7"

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