

T-1000 Calcium Silicate Insulated Pipe Support

Product

- T-1000 Calcium Silicate Insulated Pipe Support is fabricated from filter pressed, water resistant rigid thermal insulation.
- The pipe insulation is covered with a 360-degree galvanized steel shield which covers the entire length of the insulation.
- T-1000 is not faced with a vapor retarder and therefore should only be installed on above ambient process piping.
- Low thermal conductivity provides excellent insulating performance for mechanical piping systems operating from ambient to 1200°F.
- See current TPSX-12® data sheet for full physical property and compliance listings.



Features

- Fabricated from TPSX-12 water resistant calcium silicate (calsil) with a minimum of 200 psi compressive strength which is the strongest type I calsil in the industry.
- Non-combustible insulation with 0/0 flame spread/smoke developed which exceeds the requirements for use within commercial building return air plenums.
- Excellent flexural strength to prevent cracking due to pipe movement and high vibration.
- Integral inorganic corrosion inhibiting chemistry activated in the presence of water.
- Jacket roll formed from G90 galvanized steel per ASTM A-527

Applications

- T-1000 Calcium Silicate Supports are commonly used on domestic hot, hot water heating, rain water leaders, condensate drains and low to high pressure steam piping in commercial and industrial facilities.
- Meets the compressive strength requirement of MSS SP-58 as a “high strength insert” allowing for reduced lengths and metal shield gauge through pipe hangers.
- Insulated pipe supports are more labor effective compared to the traditional method of the insulator lowering the clevis hanger, field notching the fiberglass pipe cover and then installing a wood or high density fiberglass block and curved metal shield at each structural pipe hanger.
- The most labor effective workflow involves the mechanical contractor installing pre-insulated 360 degree pipe supports at each structural hanger or clamp during the pipe installation process set at the correct elevations.

Benefits

- Highest compressive strength of any mechanical insulation to provide support of the piping system and jacketing.
- Treated with silicone based water repellent to resist water absorption during installation.
- The curved metal shield on the entire circumference of the insert allows for installation with any type of structural hanger including clevis hangers or strut clamps.
- Finished OEM product arrives to jobsite fully assembled and ready to install at the pipe hanger locations.
- Buy American Act Certified

Safety

- TPSX-12 calcium silicate has never contained asbestos.
- Calsil has been the workhorse insulation for over 45 years.
- Non-fibrous or itchy, odorless and low dust
- Insulating hot piping will prevent personnel burn injuries in buildings and industrial plants.
- Maintains installed thickness without crushing to provide long term insulating performance.
- Supports the cladding to provide continuous protection against crushing, moisture infiltration, loss of insulation performance and the resultant potential for corrosion under insulation (CUI).

Iron Pipe Size	Max Load (lbs.)		A = Insulation Length						B = Gauge of Steel Jacket						Copper Tubing Size
	Flat Surface	Clevis Hanger	1/2" thick		1' thick		1 1/2" thick		2' thick		2 1/2" thick		3" thick		
			A	B	A	B	A	B	A	B	A	B	A	B	
3/8	100	120	4	24	4	24	4	24	6	24	6	24	6	24	5/8
1/2	100	120	4	24	4	24	4	24	6	24	6	24	6	24	7/8
3/4	110	140	4	24	4	24	4	24	6	24	6	24	6	24	1 1/8
1	120	160	4	24	4	24	4	24	6	24	6	24	6	24	1 3/8
1 1/4	130	200	4	24	4	24	4	24	6	24	6	24	6	24	1 5/8
1 1/2	140	250	4	24	4	24	4	24	6	24	6	24	6	24	XX
2	150	300	6	20	6	20	6	20	6	20	6	20	6	20	2 1/8
2 1/2	200	350	6	20	6	20	6	20	6	20	6	20	6	20	2 5/8
3	225	400	6	20	6	20	6	20	6	20	6	20	6	20	3 1/8
3 1/2	250	500	6	20	6	20	6	20	6	20	6	20	6	20	XX
4	300	600	6	18	6	18	6	18	6	18	6	18	6	18	4 1/8
5	350	750	—	—	6	18	6	18	6	18	6	18	6	18	XX
6	400	900	—	—	6	18	6	18	6	18	6	18	6	18	6 1/8
8	550	950	—	—	6	16	6	16	6	16	6	16	6	16	XX
10	850	1200	—	—	9	16	9	16	9	16	9	16	9	16	XX
12	1200	1500	—	—	9	16	9	16	9	16	9	16	9	16	XX

Full Box Quantities: T-1000 Calcium Silicate								
Pipe Size	1/2" thickness		1" thickness		1 1/2" thickness		2" thickness	
5/8"	40		48		27		10	
1/2"	36		42		21		27	
3/4"	30		42		21		27	
1"	66		30		15		18	
1 1/4"	48		30		36		18	
1 1/2"	36		21		36		15	
2 1/8"	36		21		36		15	
2"	20		12		21		15	
2 5/8"	18		12		21		15	
2 1/2"	14		27		15		12	
3 1/8"	14		27		15		12	
3"	10		18		15		12	
4 1/8"	27		15		12		6	
4"	18		15		12		6	
5"	15		12		6		6	
6 1/8"	12		6		6		6	
6"	12		6		6		6	
8"	6		6		6		6	
10"	4		4		4		2	