

# T-4000 HD Calcium Silicate Insulated Pipe Support

## Product

- T-4000 HD Calcium Silicate Insulated Pipe Support is fabricated from filter pressed, water resistant rigid thermal insulation.
- Includes a factory adhered ASJ+ vapor retarder with a longitudinal SSL closure strip for use on below ambient temperature process piping.
- Upgraded product features a two-piece galvanized steel shield PLUS a SECONDARY adhered shield for additional point load distribution. The insulation insert is 2" longer than the metal shield.
- Low thermal conductivity provides excellent insulating performance for mechanical piping systems operating between 0°F and 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 code requirement 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.
- Metal shield roll formed from G90 galvanized steel per ASTM A-527.

## 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 DOUBLE THICK curved metal shield adhered at the load point allows for installation with any type of structural hanger including clevis and roller hangers or strut clamps.
- Finished OEM product arrives to job site fully assembled and ready to install.
- Easily detailed by the insulator with 2" ASJ tape to ensure continuity of the vapor retarder.
- Buy American Act Certified



## Applications

- T-4000 Calcium Silicate Supports are commonly used on chilled water, domestic cold, 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. Eliminates double labor.

## 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 Load Steel						Copper Tubing Size
	Flat Surface	Roller Hanger	Clevis Hanger	1' thick		1 1/2" thick		2' thick		2 1/2" thick		3" thick		
				A	B	A	B	A	B	A	B	A	B	
3/8	110	80	140	6	20	6	20	6	20	6	20	6	20	5/8
1/2	110	80	140	6	20	6	20	6	20	6	20	6	20	7/8
3/4	120	90	160	6	20	6	20	6	20	6	20	6	20	1 1/8
1	130	100	200	6	20	6	20	6	20	6	20	6	20	1 3/8
1 1/4	140	110	250	6	20	6	20	6	20	6	20	6	20	1 5/8
1 1/2	150	110	300	6	20	6	20	6	20	6	20	6	20	XX
2	200	150	350	6	20	6	20	6	20	6	20	6	20	2 1/8
2 1/2	225	170	400	6	18	6	18	6	18	6	18	6	18	2 5/8
3	250	190	500	6	18	6	18	6	18	6	18	6	18	3 1/8
3 1/2	300	225	600	6	18	6	18	6	18	6	18	6	18	XX
4	350	260	750	6	16	6	16	6	16	6	16	6	16	4 1/8
5	400	300	900	6	16	6	16	6	16	6	16	6	16	XX
6	550	410	950	6	16	6	16	6	16	6	16	6	16	6 1/8
8	850	640	1200	9	16	9	16	9	16	9	16	9	16	XX
10	1200	—	1500	9	16	9	16	9	16	9	16	9	16	XX
12	1300	—	1800	9	16	9	16	9	16	9	16	9	16	XX

Full Carton Quantities (Standard Products): T-4000 Calcium Silicate						
Pipe Size	1" thickness		1 1/2" thickness		2" thickness	
3 1/8"	27		15		12	
3'	18		15		12	
4 1/8"	15		12		6	
4"	15		12		6	
6 1/8"	6		6		6	
6"	6		6		6	
8"	4		4		4	
10"	4		4		2	
12"	4		4		2	