

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 two-piece galvanized steel shield which covers the entire circumference and 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 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

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 buildings.
- 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.

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 two-piece 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 job site fully assembled and ready to install.
- 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' 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 | 100 | 120 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 5/8 |
| 1/2 | 100 | 120 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 7/8 |
| 3/4 | 110 | 140 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 1/8 |
| 1 | 120 | 160 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 3/8 |
| 1 1/4 | 130 | 200 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 5/8 |
| 1 1/2 | 140 | 250 | 4 | 24 | 4 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | XX |
| 2 | 150 | 300 | 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 | 2 5/8 |
| 3 | 225 | 400 | 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 | XX |
| 4 | 300 | 600 | 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 Carton Quantities (Standard Products): T-1000 Calcium Silicate | | | |
|---------------------------------------------------------------------|--------------|------------------|--------------|
| Pipe Size | 1" thickness | 1 1/2" thickness | 2" thickness |
| 5/8" | 48 | 27 | 10 |
| 1/2" | 42 | 21 | 27 |
| 3/4" | 42 | 21 | 27 |
| 1" | 27 | 15 | 18 |
| 1 1/4" | 27 | 36 | 18 |
| 1 1/2" | 21 | 36 | 15 |
| 2 1/8" | 21 | 36 | 15 |
| 2" | 12 | 18 | 15 |
| 2 5/8" | 12 | 18 | 15 |
| 2 1/2" | 27 | 15 | 12 |
| 3 1/8" | 27 | 15 | 12 |
| 3" | 18 | 15 | 12 |
| 4 1/8" | 15 | 12 | 6 |
| 4" | 15 | 12 | 6 |
| 6 1/8" | 12 | 6 | 6 |
| 6" | 6 | 6 | 6 |
| 8" | 6 | 6 | 6 |
| 10" | 6 | 6 | 6 |
| 12" | 2 | 4 | 2 |