

T-2000 Calcium Silicate Insulated Pipe Support

Product

- T-2000 Calcium Silicate Insulated Pipe Support is fabricated from filter pressed, water resistant rigid thermal insulation.
- T-2000 features a factory adhered vapor retarder to be used for below ambient temperature process piping.
- The pipe insulation is covered with a 360-degree galvanized steel shield with the insulation and vapor retarder extending 2" beyond the metal.
- 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 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-2000 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 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.

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 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 5/8 |
| 1/2 | 100 | 120 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 7/8 |
| 3/4 | 110 | 140 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 1/8 |
| 1 | 120 | 160 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 3/8 |
| 1 1/4 | 130 | 200 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 6 | 24 | 1 5/8 |
| 1 1/2 | 140 | 250 | 6 | 24 | 6 | 24 | 6 | 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 | 18 | 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 | — | — | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 16 | 9 | 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-2000 Calcium Silicate | | | | |
|--|----------------|--------------|------------------|--------------|
| Pipe Size | 1/2" thickness | 1" thickness | 1 1/2" thickness | 2" thickness |
| 5/8" | 32 | 32 | 18 | 10 |
| 1/2" | 22 | 28 | 14 | 27 |
| 3/4" | 18 | 28 | 14 | 27 |
| 1" | 40 | 20 | 10 | 18 |
| 1 1/4" | 32 | 20 | 27 | 18 |
| 1 1/2" | 28 | 14 | 27 | 15 |
| 2 1/8" | 28 | 14 | 27 | 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" | 12 | 12 | 6 | 6 |
| 6 1/8" | 12 | 6 | 6 | 6 |
| 6" | 12 | 6 | 6 | 6 |
| 8" | 4 | 4 | 4 | 4 |
| 10" | 2 | 4 | 4 | 2 |