



# Molded Perlite Fitting Covers

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### Outperforms Mitered Fitting Covers

- No glue joints to open up.
- Butts up to form perfect 90 degree joints.
- Not dusty or powdery.

### Non Wicking – Will not Absorb Water

- Most insulation systems fail at the fittings.
- Use water resistant insulation at these trouble spots.

### Best Choice with Calcium Silicate

- Abuse resistance of calcium silicate without the absorption problems.

### Saves Time and Fabrication Costs

- Up to 65% cost savings of mitered fitting covers.

### Asbestos Free Identity System

- Colored gold throughout.
- Non-toxic.

### Accepted by General Union Policies

### Largest Selection Available in Stock

- Long / Short Radius.
- Socket Weld / Screwed (3000# & 6000#).
- Butt Weld Tees.
- Stainless Steel Tubing.
- Now Over 1700 Sizes Available!



Long Radius 90° Elbow



Socket Weld 90° Elbow



Socket Weld 45° Elbow



Socket Weld "Tee"



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## Specifications

All **Sproule Ht Fitting Covers** are made with the Sproule WR-1200 formulation.

**Sproule WR – 1200** is a molded high temperature insulation composed of a fine grade perlite, sodium silicate binders, and a new uniformly dispersed fiber reinforcing system that makes WR-1200 the strongest perlite insulation commercially produced.

**Recommended Uses** Sproule WR-1200 is recommended for use in industrial processing and power generating facilities on process equipment and piping, operating continuously or cyclically at temperatures to 1200 F, (649 C). Sproule WR-1200 will not become saturated when accidentally exposed to water. This outstanding feature drastically reduces potential for corrosion under insulation while assuring the customer of optimum thermal performance.

**Corrosion Protection** Sproule WR-1200 offers a second-line of defense against corrosion. Should moisture and chlorides leak through seams and joints and become trapped between insulation and metal – WR-1200 has a reserve of soluble silicates which will form a protective film on the metal surface to seal out the chlorides and moisture. This feature makes Sproule WR-1200 an ideal choice for all austenitic stainless steels, which are highly susceptible to chloride stress cracking.

**Asbestos Free** Sproule WR-1200 is manufactured with an easily recognizable throughout gold **Asbestos-Free Identity System**.

### Physical Properties

Maximum Service Temp ..... 1200 F, 649 C  
 Density (avg.) ..... 12lb/ft<sup>3</sup>, 208 kg/m<sup>3</sup>  
 Compressive Strength  
 at 5% deformation ..... 90-110 psi, 6.3-7.7 kg/cm<sup>2</sup>  
 Flexural Strength ..... 60-75 psi, 4.2-5.3 kg/cm<sup>2</sup>  
 Linear Shrinkage ..... less than 2%  
 Acid Resistance (after one week exposure)  
 10% sulfuric acid ..... no effect  
 10% hydrochloric acid ..... no effect

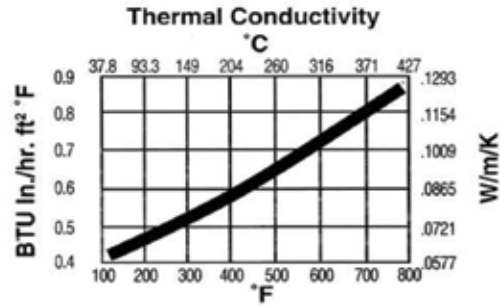
### Fire Hazard Classification (ASTM E-84)

Flame Spread ..... 0  
 Smoke Developed ..... 0  
 Fuel Contributed ..... 0

### Water Absorption (ASTM C-209)\*

By volume (avg.) ..... 0.4%  
 By weight (avg.) ..... 6.02%

\*\*Note: WR-1200 is not a vapor barrier



**Corrosion Protection Leachable Silicates (ASTM C-871) approx. 50,000 PPM** Complies with following specifications dealing with chloride stress cracking.

*Dana Test at room temperature and after heat soaking at 500oF, (260 C)*

*NRC 1.36 MIL-I-24244*

*WR-1200 also complies with ASTM C-610-93*

### Available Forms\*\*

Types	Pipe Sizes	Insulation Thickness (½" Increments)
Screwed 90	½-4	1-4
Screwed 45	½-4	1-4
Screwed Tee	½-4	1-4
LR Weld 90		
And Weld 45	½-42	1-8
Welded Tee's	½-8	1-8

Also available upon special request:

- Heavy walled fitting covers
- Short Radius 90's & 45's
- Stainless Steel Tubing 90's & 45's
- Ball Valve Covers
- Plug Valve Covers
- Flange Covers

\*\*Note: Some sizes may not be immediately available

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