

FOR PRICING AND AVAILABILITY - CONTACT ALLSTATE INSULATION

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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) ..... 12 lb/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 1 week exposure)  
 10% sulfuric acid ..... no effect  
 10% hydrochloric acid ..... no effect

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

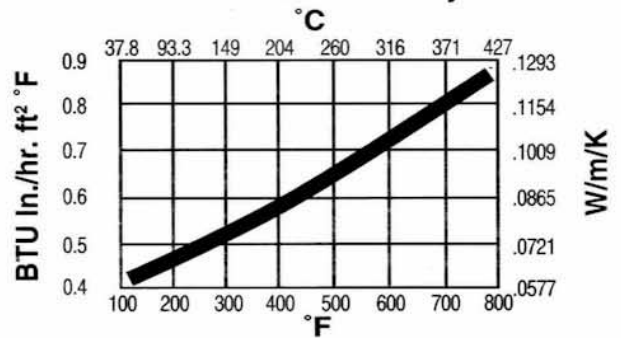
Flame Spread ..... 0  
 Smoke Developed ..... 0  
 Fuel Contributed ..... 0

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

by volume—avg ..... 0.4%  
 by weight—avg ..... 6.02%

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

### Thermal Conductivity



### 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 500°F, (260°C)

NRC 1.36 MIL-I-24244

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

### Available Forms\*\*

Type	Pipe Sizes	Insulation Thickness IN INCHES
Screwed 90°	½-4	1 - 8 (½" increments)
Screwed 45°	½-4	
Screwed Tee	½-4	
LR Weld 90° and 45° elbow	½-42	
Welded Tee's	½-8	

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 available immediately.

The information herein is accurate and reliable to the best of our knowledge. But, because we have no control over our products once they leave our plant, no representation or warranty, expressed or implied, either as to **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**, is made as to the performance or results of an installation containing our product which extends beyond the description on the face hereof. If the products otherwise fail to conform to the representations made herein, through no fault of the Buyer, Buyer's exclusive remedy and our sole liability, shall at our option, be the repair or replacement of the non-conforming products or parts thereof, F.O.B. our nearest shipping point. This warranty expires one year from date of purchase. **IN NO EVENT SHALL WE BE RESPONSIBLE OR LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES WHICH MIGHT RESULT FROM PRODUCT FAILURE.**

ALL PRODUCTS MADE IN U.S.A.

Sproule WR-1200 is a formula of CALSILITE MANUFACTURING CORPORATION, a totally separate entity from Sproule Manufacturing Company, Inc.