

WR-1200 Specification Sheet

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

Sproule WR-1200 is a molded high temperature insulation composed of 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 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/ft³, 208 kg/m³
 Compressive Strength
 at 5% deformation.....90-110 psi, 6.3-7.7 kg/cm²
 Flexural Strength.....60-75 psi, 4.2-5.3 kg/cm²
 Linear Shrinkage.....less than 2%
 Acid Resistance (after one week exposure)
 10% sulfuric acid.....no effect
 10% hydrochloric acid..... no effect

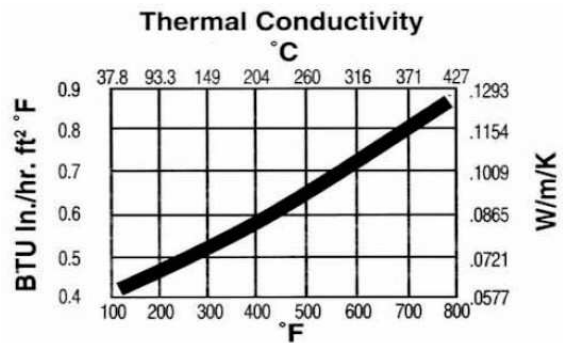
Fire Hazard Classification (ASTM E-84)

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 500°F, (260 C)

NRC 1.36 MIL-I-24244

WR-1200 also complies with ASTM C-610-11

Available Forms**

Type	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
- Ball Valve Covers
- Plug Valve Covers
- Flange Covers

**Note: Some sizes may not be immediately available

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