Molded Perlite Fitting Covers

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!
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/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 5000F, (260 C)
NRC 1.36 MIL-I-24244
WR-1200 also complies with ASTM C-610-93

Available Forms**

<table>
<thead>
<tr>
<th>Types</th>
<th>Pipe Sizes</th>
<th>Insulation Thickness (1/2” Increments)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screwed 90</td>
<td>½-4</td>
<td>1-4</td>
</tr>
<tr>
<td>Screwed 45</td>
<td>½-4</td>
<td>1-4</td>
</tr>
<tr>
<td>Screwed Tee</td>
<td>½-4</td>
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</tr>
<tr>
<td>LR Weld 90</td>
<td>½-42</td>
<td>1-8</td>
</tr>
<tr>
<td>And Weld 45</td>
<td>½-42</td>
<td>1-8</td>
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<tr>
<td>Welded Tee’s</td>
<td>½-8</td>
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</tbody>
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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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All Products Made in the U.S.A.
Sproule WR-1200 is a formula of Calsilite Manufacturing Corporation, a totally separate entity from Sproule Mfg. Co., Inc.