



REINFORCED PERLITE PIPE COVERING AND BLOCK

AU-1200 THE NEXT EVOLUTION OF PERLITE

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SMC's Founder developed a leading formula for perlite silicate insulation over 40 years ago. Having worked to perfect this insulation for decades in the context of evolving industry needs, SMC has now applied this unique and deep expertise to develop the best iteration of perlite pipe covering on the market.

PROVEN DEFENSE AGAINST CUI

HYDROPHOBIC, NON-WICKING, and with leachable silicates proven to inhibit corrosion on the outer surfaces of piping and equipment.

ECONOMICAL AND EFFECTIVE

Novel formulation paired with patented reinforcement yields the **STRONGEST AND MOST DURABLE** perlite silicate product on the market. Specialized packaging further protects our product during shipping, minimizing loss factor.

INCREASED STRENGTH

AU-1200 is a pre-formed rigid insulation that is quickly and easily **INSTALLED OUT-OF-THE-BOX**, reducing overall waste and installation cost.

For use on piping, equipment, and vessels for both cyclic and continuous high-temperature applications up to 1200°F (650°C).



Particularly suited for applications where the risk of CUI (corrosion under insulation) is elevated, such as harsh environments with high humidity and rainfall.

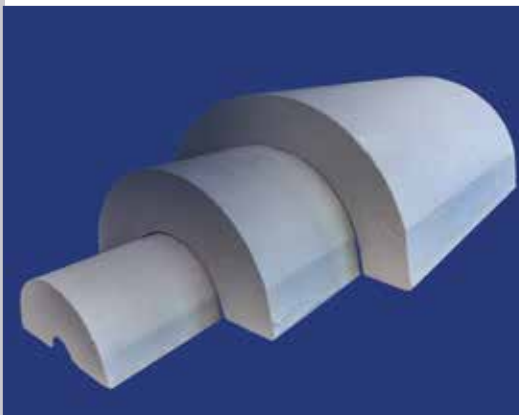
Preferred in industrial processing and power generation plants for use on austenitic stainless steel.

Asbestos-free identity system

Multi-layer applications are designed to be easily nested without modification during installation.

Meets or exceeds all ASTM C610 standards

Produced in USA with a highly automated manufacturing line based on decades of experience in the manufacturing of perlite silicate





AU-1200 REINFORCED PERLITE SILICATE INSULATION PRODUCT SPECIFICATIONS

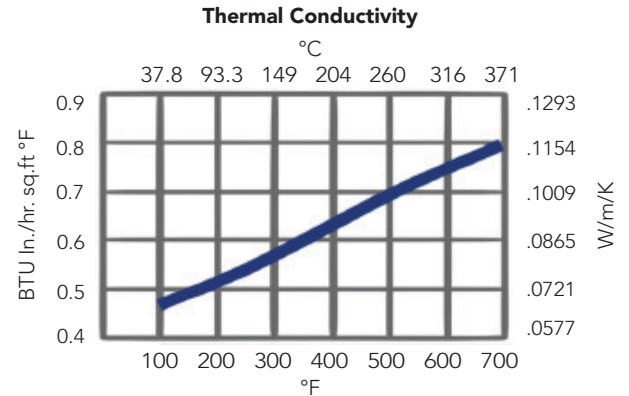
SMC Industries' molded perlite pipe cover and block are composed of fine grade perlite and sodium silicate binders with a patented reinforcement layer. These pipe covers are recommended for use in industrial processing and power generating facilities on equipment and piping operating continuously or cyclically at temperatures up to 1200°F (650°C). Test results, standards, or other detailed specifications may be available upon request. Please contact your SMC technical representative or one of the SMC Industries locations for any additional questions.

Asbestos-Free: All SMC Industries perlite products are manufactured with an easily recognizable gold throughout Asbestos-Free Identity System.

SPECIFICATION COMPLIANCE :

Material Specification (ASTM C610)	Passes
Max. Service Temperature	1200°F (650°C)
Compressive Strength (ASTM C165)	90 - 110 psi 5% Deformation
Flexural Strength (ASTM C203)	80 - 105 psi
Average Density (ASTM C303)	12 lbs./cu. ft.
Linear Shrinkage (ASTM C356)	< 1.5%
Surface Burn Characteristics (ASTM E84)	Flame Spread: 0 Smoke Developed: 0 Fuel Contributed: 0
Non-Combustible (ASTM E136)	Passes
Water Absorption (ASTM C1763)	Passes
Corrosion Resistance (ASTM C795, C692, C871)	Passes 25 % Hydrochloric Acid: No Effect
Corrosion Resistance (ASTM C871, C1617)	Passes

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AVAILABLE FORMS & SIZES *

Type	Pipe Sizes	Insul. Thickness
Pipe Covering	Insulation OD	(1/2" Increments)
Halves (180°)	1/2" - 15"	1 - 4"
Quads (90°)	16 - 30"	
Flat Block		

*Some sizes may not be immediately available.

**Quads come with single reinforcement attached to two pieces to allow for easier installation.

Factory Nesting: Contact SMC Industries for more information on multi-layer applications.

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