



Enertek®  
1200

## General Product Information

ROCKWOOL stone wool products are made of basalt, a volcanic stone.

ROCKWOOL stone wool products are non-combustible with a melting point of approximately 1000° C. They are particularly suitable for thermal insulation, fire protection and sound reduction / absorption.

ROCKWOOL stone wool is inorganic and contains no nutritious

substance, therefore it will not be attacked by microorganisms. Stone wool will not rot and does not attract vermin.

No CFCs, HFCs, HCFCs, or asbestos are used in the manufacture of ROCKWOOL stone wool products.

CREATE AND PROTECT

# Enertek® 1200

## Common Applications

Enertek 1200 is supplied as a one piece section of convenient length. Slit along the longitudinal axis for ease of application, the sections readily snap closed into position over the pipe and are molded to ensure a firm fit around the piping. The outer surface is ground to ensure the correct insulation thickness is achieved.

Enertek 1200 is particularly suitable for both hot and cold piping to conserve energy, maintain process temperatures, provide personnel protection, prevent condensation, and to reduce noise emission.

The properties of Enertek 1200 comply with ASTM C547.

## Dimensions

Size range supplied in Imperial Inches

Nominal Pipe O.D.	0.5 to 30" (insulation ID 22-764mm)
Wall Thickness	1 to 9" (25-225mm)
Length	39.4" (1000mm)

*Note: The inner & outer diameters of Enertek 1200 for nominal pipe sizes comply with ASTM C585. Two dimensions must be specified when ordering pipe insulation – the outside diameter of the pipe and the insulation thickness. Pipes manufactured to different dimensional standard (i.e. steam, API, copper, etc.) differ in the outside diameter for a given nominal bore. To avoid costly mistakes, it is essential to make certain what the pipe OD is before placing the pipe insulation order.*

## Nominal Density

120kg/m<sup>3</sup>

## Absorption, Corrosion & Chemical Resistance

Enertek 1200 meets the ASTM requirements of:

- ASTM C1104 (Water Vapor Sorption);
- ASTM C1763 (Water Absorption by Immersion);
- ASTM C665 (Composition and Physical Properties of Mineral Fiber Insulation);
- ASTM C795 using the test methods of ASTM C692 (28-Day Stress Corrosion Test) and ASTM C871 (Chemical Analysis).

*Note: The information contained in this data sheet is believed to be correct at the date of publication. Rockwool Asia does not accept responsibility for the consequences of using Enertek 1200 in applications different from those described above.*

## Maximum Service Temperature and Surface Burning Characteristics

Enertek 1200 is suitable for hot service performance and maximum use temperature at 1200°F (650°C) as tested with the respective ASTM C411 and C447 standards. Linear shrinkage (length) tested in accordance with ASTM C356 returns a result of <2% demonstrating compliance with ASTM C356.

Surface burning characteristics were tested in accordance with ASTM E84 and the material was found to be in compliance with these standards with no flame spread and no smoke developed.

## Packaging and Storage

Standard packaging for Enertek 1200 is by way of cardboard cartons. Poly bags can be requested if required. The number of sections per package depends on the size and thickness of the pipe covering.

## Handling

Enertek 1200 should be secured in position using wire or metal bands in accordance with the manufacturer's recommendations, and protected if required by metal cladding, mastic or other suitable coatings.

## Thermal Conductivity

Mean Temperatures		Thermal Conductivity
°F	°C	W/m·K
100	38	≤ 0.036
199	93	≤ 0.045
300	149	≤ 0.053
399	204	≤ 0.065
500	260	≤ 0.078
601	316	≤ 0.094
700	371	≤ 0.111

*Note: Enertek 1200 was tested in accordance with ASTM C547 and the Thermal conductivity of Enertek 1200 meets the ASTM C547 For actual Standard Specification for Mineral Fiber Pipe Insulation. results, please refer to your local representative Amity Insulation Group Inc. at 1-800-268-6406 or local at 1-780-454-8558.*

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