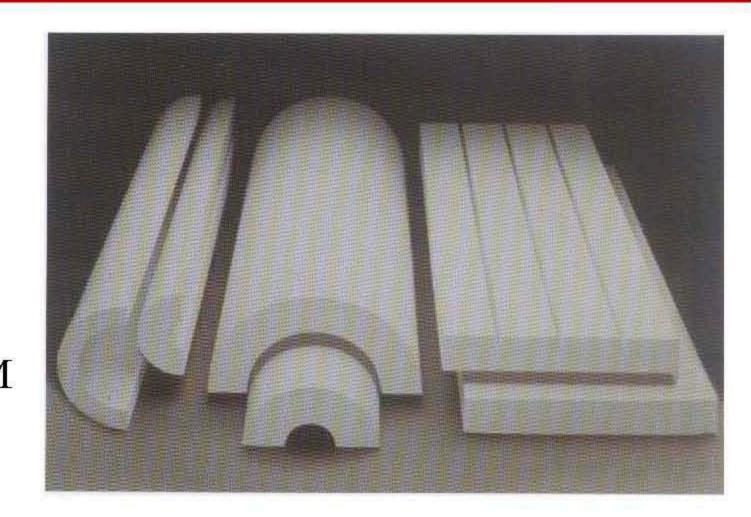


Calcium Silicate Pipe & Block Insulation

Data Sheet - 2

DESCRIPTIONS:

NTS calcium silicate is a molded, high temperature, abuse-resistant pipe and block insulation with exceptional structural strength, composed of hydrous calcium silicate for use on systems operating up to 1200°F (650°C). meets or exceeds the physical property requirements of ASTM C 533, Type I&GB/T10699-1998.



APPLICATIONS:

Because of its strength, low thermal conductivity and durability, it is the preferred product for application on high temperature piping and equipment. Nature is especially recommended for use in the petrochemical and power generation industries where pipe and equipment operate up to 1200°F (650°C). Nature pipe insulation is 24" (600mm) in length, and is available in thicknesses from 1" to 3" (25 mm to 75mm) in ½"(13 mm) increments. Thick wall material is furnished in double layers. Nature flat block insulation is 24" (600mm) wide and 12" (300mm) in length, and is available in thicknesses from 1" to 4" (25 mm to 102 mm) in½" (13 mm) increments.

PHYSICAL PROPERTY REQUIREMENTS

THERMAL CONDUCTIVITY ("K")

Density (Dry) Average

13.75 lbs. per cu. ft.

ASTM C 302

(220 kg/m3)

Flexural Strength

50 psi (344 kPa)

ASTM C 203

Compressive Strength

100 psi (690 kPa)

ASTM C 165 to Produce 5% Compression

Abrasion Resistance

After First 10 Min. - 15

(% Weight Loss by Tumbling) After Second 10 Min. - 30

ASTM C 421

Linear Shrinkage

Less Than 2.0% After 24-hr.

ASTM C 356

Soaking Period at 1200°F (650°C)

Max. Service Temperature

1200°F (650°C)

ASTM C 411

Surface Burning Characteristics

Flame Spread - 0

ASTM E 84

Smoke Developed – 0

