



Thermal Insulation Products - Calcium Silicate

Calcium Silicate Pipe & Block Insulation

Calcium silicate high temperature insulation board and pipe cover are manufactured using an industry preferred filter press method which provides accurate dimensional tolerances and superior compressive and flexural strength. These attributes facilitate installation and provide exceptional resistance to mechanical abuse. Calcium silicate insulation is asbestos free and meets or exceeds all of the requirements of ASTM C533, type I & II.

APPLICATIONS

Calcium silicate insulation is recommended for use on equipment and piping operating at temperature from ambient to 121°C indoors and protected outdoors up to 649°C. It is ideally suited for industrial use in areas such as the petrochemical and power generating industries where energy conservation, process control, personal protection and fire protection are prerequisites.

TYPES

Calcium silicate block and pipe insulation fitting are available.

Density:

170 kg/M3 , 220~240 kg/M3, 250 kg/M3

Length: 2 ft(600/610mm), 3ft(915mm)

Thickness: 25~75mm (Single Layer)

Max.Service Temperature: 650°C / 1000°C



PARAMETERS OF PHYSICAL PROPERTIES:

Product Name:	Calcium Silicate	
	ITEMS	Result of Test
	Density (kgs / m3)	220
	Thermal conductivity (average temp. 70°C) W/(m.k)	0.056
	Compression Strength at 5% deformation (Mpa)	0.6
	Flexural Strength <min.>(Mpa)	0.3
	Linear Shrinkage (max.) (%)	2
	Moisture content(max.)(%)	7.5
	Max Service Temp (°C)	650

Sealumet (Australia) Pty Limited

Mailing Address : PO Box 2218, Warwick, Perth, WA, 6024

Warehouse : Unit 2, 6 Langar Way, Landsdale, Perth, WA - 6065

Telephone : +618 6201 6153, Fax : +618 9303 4560

E-mail: enquiries@sealumet.com Website: www.sealumet.com

DISCLAIMER

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