

## Global Product Data

### High Temperature Calcium Silicate Insulation Slabs

Based on 1000 deg c HENRY-Standard Type,the temp. limited of this type is improved to 1100 deg c, As our paten, HENRY-High Temp. Type can be used for high temp position of industrial furnaces.

Items	Unit	HENRY Brand
		SCS-25
Bulk Density	kg/m <sup>3</sup>	250±10%
Flexural Strength	MPa	0.50 Min
Temp. Limit	Deg c	1100
Linear Shrinkage	%	2 Max(1050 deg c,3hrs)
Themal Cond	W/m·k	0.058±0.00011t Max

#### Block Sizes and Dimensional Tolerances

Length(±3mm)	Width(±3mm)	Thickness(+3 -1.5 mm )
400	250	25-120
500	500	25-120
600	300	25-120
610	400、303、300、150	25-120
1000	500	25-120
1050	850	25-120
1080	950	25-120
1220	1220	25-100

#### HENRY-PASTE TYPE CALCIUM SILICATE COATING

Items	Unit	Index
Paste Density	kg/m <sup>3</sup>	1000
Paste Bulk Drying Shrinkage	%	20
Temp. Limit	Deg c	850/1000
Drying Density	kg/m <sup>3</sup>	260
Themal Cond	W/m·k	0.06

Characterized by low drying shrinkage, good thermal stability, resisting alkali, weak acid corrosion and oil water soak, good adaptability, easy construction and no environmental pollution, HENRY-Paste Type insulation coating can be widely used for all types of furnaces, kiln, tower, pot, pipe, valve etc, especially easy construction for special-shaped equipment. Also we have dry insulation coating and 1260 deg c paste.

#### Construction Area:

Each ton paste can cover an area of 70-80m<sup>2</sup> with 10mm thickness. The area of other thickness can be calculated from this

## Global Product Data

### Super Calcium Silicate Fire Proof Board

Henry fireproof board is a kind of inorganic and non-combustible A grade composed of Xonotlite material, with stable physical and chemical properties. It does not deform in normal temperature or moist air and the temp. limited is up to 1100 deg c, It's almost a kind of permanent material, with the characteristics of lightweight, good dimensional stability, high strength. Henry board is not only a fireproof board but also a decorating material. It can revise the deform of the steel beam and column, and can make the beam and column very streight and square. The effect of decoration can make very beautiful. The Henry board can be sprayed plastic, painted, and also can stick ceramic tile directly on it, can reach the different requirement of decoration in any place. Our product can be cut, sawed, dug and nailed easily, then assembled at worksite without environment pollution. All this can be done together with other procedures such as piping erection, exhaust system, electric wire installation and so on, in any season. It's very simple and high efficient. Free from asbestos, Henry board is a green building material, haven't any irritant smoke when burning and high temperature.

Item	Unit	Index
Bulk Density	kg/m <sup>3</sup>	400(±10%)
Flexural Strength	MPa	1.50 Min
Flexural Strength Water Absorption Saturation Condition	MPa	0.90 Min
Combustion Class		Incombustibility A Grade
Linear Shrinkage (1000 deg c x 12h)	%	2.0 Max
Thermal Cond	W/m.k	0.075(70 deg c)

#### Sizes and Dimensional Tolerances

Length×Width(mm)	500 × 500, 1000×500, 1050 × 850
Tolerance(mm)	Length,Width ±2 Thickness ±1

#### Fire Resistance

Name	Thickness(mm)	Fire Resistance ,h
HENRY-board	20	2.0 Min
	25	3.0 Min

## Global Product Data

### High Pure Type Calcium Silicate Boards

Henry High Pure Calcium Silicate Board are specially used in Non-ferrous metal fields. These board have the characters of free-asbestos, high temperature resistance, high strength, low thermal conductivity, non-wetting, thermal shock resistance and very good machining property. These board can be easily machined to precision components, and widely used in Non-ferrous metals casted, found, glass field and steel industry.

Products are suitable for the use as Down Spouts, Shutter Rod, Floats, Lining, Riser Inserts, Sprue Bush and other precast shapes.

Item		Unit	HR BOARD	HJ BOARD
Bulk Density		kg/m <sup>3</sup>	850 (±10%)	850 (±10%)
Flexural Strength		MPa	7.0	7.0
Linear Shrinkage (850 Deg c x 12h)	Length、Width	%	0.4	0.4
	Thickness	%	1.5	1.5
Continued Working Temp.		Deg c	850	850
Limit Temp.		Deg c	1000	1000
Coefficient of Thermal Expansion		k-1	6×10-6	6×10-6
(200 Deg c) Thermal Cond.		W/m·k	0.14	0.16
Loss On Ignition		%	6.5	8.0

### Block Sizes and Dimensional Tolerances

Length mm (±3mm)	Width mm (±3mm)	Thickness mm (+2, -1.5mm)
1220	1220	25-80
1000	500	25-100

## Global Product Data

### High Strength Calcium Silicate Boards

Henry High Strength Calcium Silicate Boards have the characters of big size, high strength and proof-fire etc. the boards can be widely used as energy-saving materials for almost all types of industrial furnaces, steel structure fire proof, partition, air duct, cable tray and stile & fire door, etc.

Items	Unit	Index
Bulk Density	Kg/m <sup>3</sup>	800-1000
Flexural Strength	MPa	7
Compressive Strength	MPa	13
Screw Holding Strength (50×φ5mm screw, deep 25mm)	N	2000
(200 deg c) Thermal Cond.	W/m.k	0.13
(1000 deg c 3h)Thermal Cond	%	1.5

#### Block Sizes and Dimensional Tolerances

Length mm (±5mm)	Width mm (±4mm)	Thickness mm (+2, -1.5mm)
2300-2500	1220	25-50

## Global Product Data

### High Temperature Calcium Silicate Core For Fireproof And Sand Insulation Door

Henry High temperature calcium silicate core is a kind of inorganic material with stable physical and chemical performance. With the characteristics of high resistant temperature, low thermal conductivity, very good effect of insulation for fire and sound, lightweight and high specific strength. The core will never deformed and will not send out any irritant smoke and gas when burned and high temperature. Free from asbestos, is a pure green building material. So it's very suitable for fireproof and sound insulation door. This kind of material had already widely used as the cores of fireproof and sound insulation doors in various field. The limited fire resistance is up to 90 min, even more than 120 min. This product have exported to U.S.A, Korea, German, Spain, Mexico, Spain, India, America, Africa, Europe etc more countries and have already earned more honors from the customers.

Physical Performance	Unit	Core for steel door	Core for wood door
Bulk Density	Kg/m <sup>3</sup>	230 - 270	260 - 320
Flexural Strength	Mpa	0.5 Min	0.6 Min
Thermal Cond.	W/m.k	0.07 Max	0.07 Max
Temp. limited	Deg c	1000	1000
Linear Shrinkage (1000deg c×3h)	%	1.5 Max	1.5 Max
Soundproof Coefficient	db		30 Min

#### Sizes and Dimensional Tolerances

Length × Width (mm)	500× 500, 1000× 500, 1050× 850
Thickness (mm)	20 - 140
Tolerance (mm)	Length, width ±2, Thickness ±0.25

Contact info;  
 Henry Calcium Silicate Board Limited  
<http://www.calciumsilicateboard.com>  
 E-mail: calciumsilicateboard@yahoo.com.cn  
 Fax: +86-378-3863353