

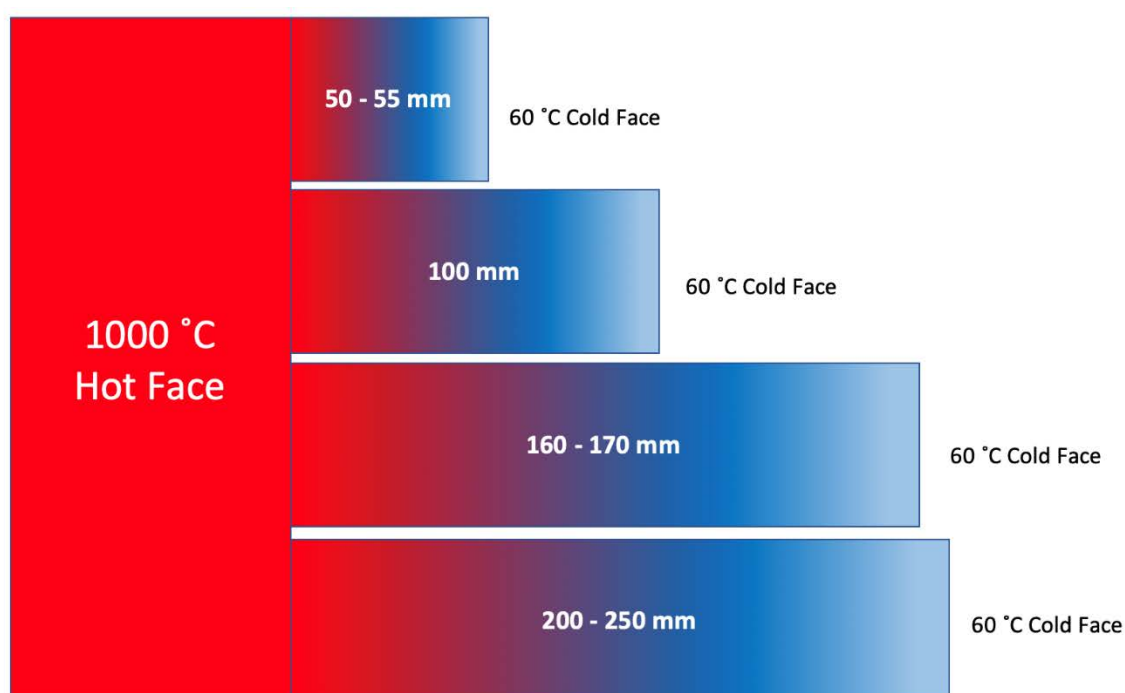
Wedge India

High Strength Rigid Insulation Boards



High Strength Insulation: Most Common Applications

Insulation	Hot Face Temperature °C	Insulation Thickness, mm	Cold Face Temperature °C
HSCI 200	200	15	60
HSCI 300	300	25	61
HSCI 400	400	30	62
HSCI 500	500	35	62
HSI 800	600	10	270
HSCI 600	600	60	66
HSI 800	700	10	307
HSCI 700	700	70	67
HSI 800	800	15	289
HSCI 800	800	85	68
HSI 1000	900	20	290
HSCI 900	900	65	85
HSI 1000	1000	25	284
HSCI 1000	1000	65	93
HSI 1100	1100	30	290
HSCI 1100	1100	60	139
HSI 1200	1200	30	348
HSCI 1200	1200	30	262
HSCI 1300	1300	165	128
HSCI 1400	1400	235	123
HSCI 1500	1500	285	123
HSCI 1600	1600	285	126
HSCI 1750	1650	470	350



HSI 1000 | Technical Datasheet

Wedge HSI 1000 are calcium silicate & wollastonite fibres based boards ideal for high temperature backup insulation, fire protection, fire doors, electrical home appliances, electrical arcs, furnace backup insulation, high temperature gasketing, duct fire protection, pipe insulation, fire & insulation seals, high temperature electrical insulation, etc.

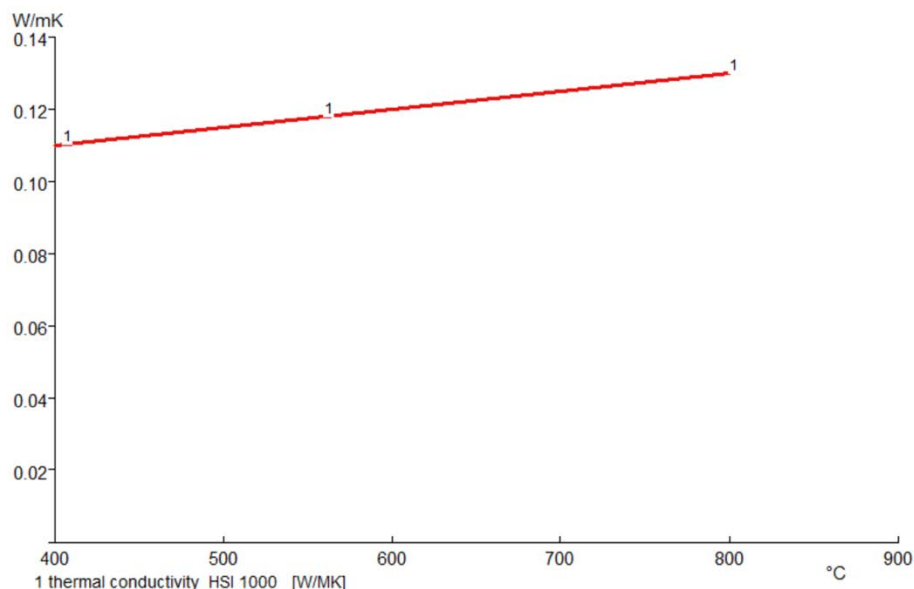
Applications

- Ladle & Tundish Insulation
- Lime Kiln and Cement Kiln Insulation
- High temperature gasket & sealings
- Boiler & Furnace Insulation
- Oil & Gas Burners Insulation
- Furnace, Dryer, and Oven Insulation
- Pipe & duct Insulation
- Metal clad Gaskets fillers
- Gaskets for centrifugal casting
- Glass rollers as washers on mandrel
- Stainless Steel Plant Rollers Insulation
- Electrical & home appliances insulation gaskets
- Fire Resistant Doors, Lifts, Safes, Cupboards

Features & Benefits

- Very Strong Boards with high compressive strength
- High temperature resistance upto 1000°C
- Low Thermal Conductivity at high temperatures
- High Electrical Resistance at high temperature
- High fire resistance and heat shield properties
- Easy to cut and punch
- Available in moulded pipe section for pipe insulation

Properties	HSI 1000
Base Materials	Wollastonite fibers & Calcium Silicate
Classification Temperature, °C	1000
Density, Kg/M3	1000
Thermal conductivity, W/m.K	
400 °C	0.11
600 °C	0.12
800 °C	0.14
Tensile Strength, Mpa	5
Flexural Strength, Mpa	6
Shrinkage % @ 1000 °C	< 1
Compressive Strength, Mpa	8 - 10
Loss on Ignition %	8





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