

SIB H-1000 and H-650 Flexible Insulation for high temperature

-----Better than every thing but nothing -----

SIB is a high-temperature insulation blanket composed of specially treated glass-fiber or silica fiber Batting. **SIB offers the lowest thermal conductivity of any commercially produced high temp. blanket.**

SIB achieves this leading thermal performance in a flexible, environmentally safe, and easy to use product.

Physical Properties

Properties	H1000	H650
Thickness (mm)	6	3,6,10
Max. Use Temp. (°C)	1000	650
Color	White	White
Density (g/cc)	0.18	0.18
Hydrophobic	Yes	Yes
Sizes	1.2m wide	0.91, 1.8m wide



Thermal Conductivity (W/m.k.)

Mean Temp. (°C)	100	200	300	400	500	600	700	800	900	1000
H1000	0.021	0.025	0.029	0.036	0.044	0.054	0.068	0.085	0.105	0.128
H650	0.021	0.025	0.031	0.037	0.044	0.055	--	--	--	--



Advantages

Superior Thermal Performance

2 to 8 times better than competing insulation products

Reduced Thickness and Profile

Equal thermal resistance at thinner thickness

Physical Robust

Soft and flexible but with excellent springback.

Excellent Fire Protection

Equal or better than other insulation materials, Including mineral wool and calcium silicate

Hydrophobic Yet Breathable

SIB repels liquid water but allows vapor to pass through

Environmentally Safe

Landfill disposable, shot-free with no respirable fiber