

SIB H-350 and H-650

Flexible insulation for high temperature

SIB is a high-temperature insulation blanket composed of Silica and reinforced with non-woven carbon and glass-fiber Batting. **SIB offers the lowest thermal conductivity of any known solid.** SIB achieves this leading thermal performance in a flexible, environmentally safe, and easy to use product.



Physical Properties

Properties	H350	H650
Thickness (mm)	3,6,10	5, 10
Max. Use Temp. (°C)	385	650
Color	Dark Gray	Beige
Density (g/cc)	0.17	0.18
Hydrophobic	Yes	Yes
Sizes	1.5m wide	1.5m wide

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. SIB will recover its thermal performance even after 50 psi compression

Excellent Fire Protection

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

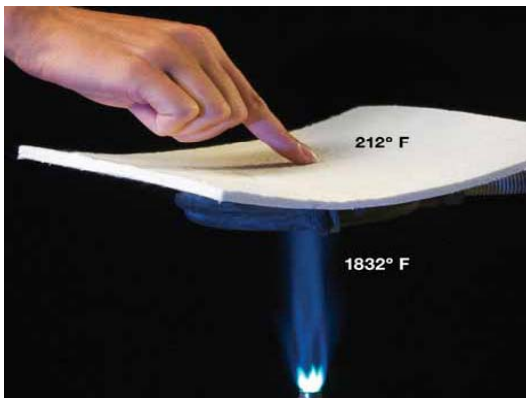
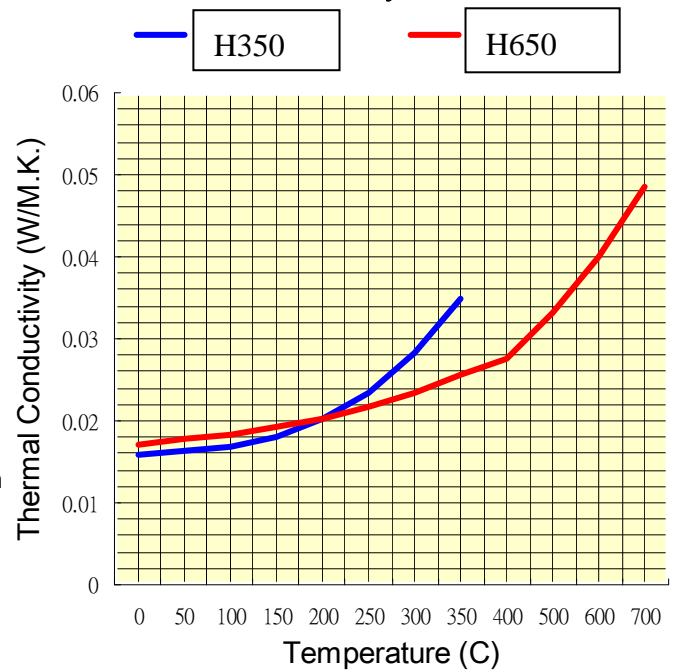
Hydrophobic Yet Breathable

SIB repels liquid water but allows vapor to pass through

Environmentally Safe

Landfill disposable, shot-free with no respirable fiber

Thermal Conductivity ASTM-C177



Thermal Conductivity (W/m.k.)

Mean Temp. (°C)	0	100	200	300	400	500	600
H650	0.02	0.023	0.028	0.035	0.046	0.064	0.089
Mean Temp. (°C)	0	50	100	150	200	250	300
H350	0.016	0.016	0.017	0.018	0.02	0.024	0.028

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