

MicroHi-Temp

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Product details

MicroHi-Temp thermal insulation is an eco friendly production insulation process with noise absorption ability. It is suitable for operation with temperature over 350°C in both blanket and slab, our standard products have been specially formulated to meet the international standards and certified by TIS 486, TIS 487, ASTM, UL, NFPA 90A and followed by LEED standard. The facing of product with high quality of raw material embedded from factory, causing the insulation durable and uneasily to peel of.



HT-1000

Key benefits

High temperature resistance

MicroHi-Temp insulation has produced and designed to operated well with high temperature surface, uneasily in peeling of.

Not fallen easily

MicroHi-Temp insulation has a long length small of fiber and light weight so causing the fiber to hold tight together, not easily to fall of prior or after the operating.

ASTM C612 Standard

MicroHi-Temp is the certified insulation per international standard ASTM C612, this standard confidence and ensure the quality of products.

Application

MicroHi-Temp was designed for preventing heat loss up to 350°C, light weight, easily to install, suitable for tank covered, tube, other equipments such as hot air duct in kitchen, incubators's wall, oven wall, boiler, fire door in whether hotel, hospital, building and factory.

Passed high temperature testing

MicroHi-Temp passed the high temperature testing and certified for flammability test at 350°C while the insulation's performance still good and functional in heat resistance, this test has been certified by ASTM C411 (Hot surface Performance of High - Temperature Thermal Insulation) from government agency.

specifications

Properties

Property	Test Method	Specification
Normal Density	ASTM C167	32 kg/m ³ , 40 kg/m ³
Operating Temperature	ASTM C177	Up to 350°C
Hot Surface Temperature	ASTM C411	Up to 540°C
Water Vapor Sorption	ASTM C1104	0.1% or less by volume
Shot Content	ASTM C612	Negligible
Non-Corrosive	ASTM C665	Will not accelerate
Resiss Mold or Fungus Growth	ASTM C665	Will not support or promote
Reaction to Fire	EN 13501-1	Class A1
Surface Burning Characteristics	ASTM E84	Flame Spread < 25 Smoke Developed < 50

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Thermal Conductivity (k-Value)

Mean Temp (°C)	Thermal Conductivity (W / m.K)	
	32 Kg/m ³	40 Kg/m ³
100	0.046	0.041
150	0.059	0.049
200	0.074	0.058
250	0.098	0.068
300	0.129	0.080

Water absorption and moisture permeability

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has developed and improved their properties to specialize in water vapor permeability protection and prevent any moisture to absorb in to the insulation. By adding special substance "Non water absorption" into insulation (authorized by microfiber only), this will effected to insulation performance to last long and work more efficiently.



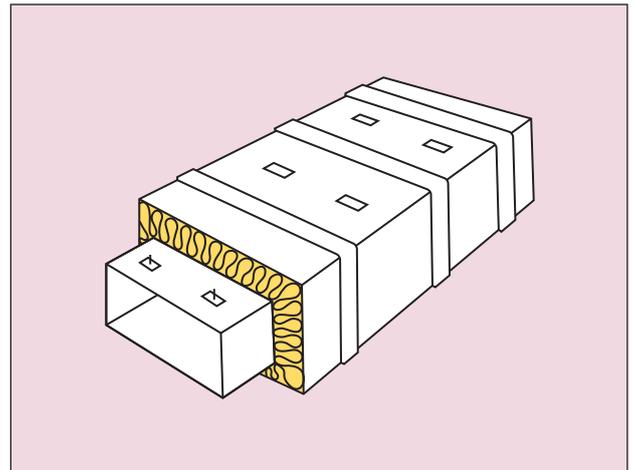
Facing covering

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has used FR a special high performance of surface covering materials with flame retardant's ability that has completed cross-linking closed cell structure with fiber glass laminated with flame retardant adhesive from manufacturing with a choice of special surface jacket such as double-sided Aluminum foil, flame retardant and high moisture permeability.

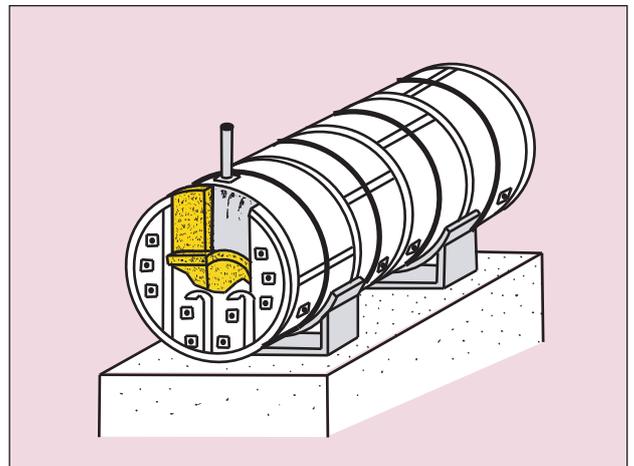
*other special spec is available upon request please direct inquire to the company

How to install



Standard size of products

Product Type	Density Kg/m ³	Thickness mm.	Width x Length m. x m.
Blanket	32	50	1.22 x 10.0
	32*	75	1.22 x 7.50
Slab	32	50	1.22 x 2.44
	32*	100	1.22 x 2.44
	40*	25	1.22 x 2.44
	40*	50	1.22 x 2.44
	40*	75	1.22 x 2.44
	40*	100	1.22 x 2.44



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