



What is HITLIN™?

HITLIN™ Industrial Insulation is high-density E-Glass product born of a revolutionary new manufacturing process that combines a specially processed E-Glass needle mat and inorganic binder to produce a solid high performance, low thermal conductivity insulation.

Because of the lower thermal conductivity, HITLIN™ may be used in much thinner thicknesses. It also performs well in strong heat, humidity and corrosive applications. HITLIN™ contains no organic chemical binders.



Type	Max. Use Temp.(:)	Size (inch)	Length (mm)	Thickness (mm)	Density (kg/m ³)
PIPE COVER	750	1/2 ~ 44	1000	10 up to Customer Needs	200 ± 10%



Type	Max. Use Temp.(:)	Size (mm)	Thickness (mm)	Density (kg/m ³)
BOARD	750	1000 x 1000	Customer Needs	180 ± 10%



Type	Max. Use Temp.(:)	Form	Thickness (mm)	Density (kg/m ³)
ELBOW	750	45°, 90°	Customer Needs	200 ± 10%



Type	Max. Use Temp.(:)	Thickness (mm)	Density (kg/m ³)
FELT	750	4~25	110~160 ± 5%



Features

- ▶ **Insulation** : High-density Industrial Insulation with lowest possible thermal conductivity. Benefits include using thinner thicknesses and achieving same energy efficiency as other products.
- ▶ **Light weight** : Supplied in two sections. Easy to handle, transport and install. Easy installation requires reduced labor, more efficient construction and shorter turnarounds.
- ▶ **Resilience** : Virtually unbreakable. Withstands physical actions without breakage.
- ▶ **Thermal Conductivity** : Below 0.03 W/m.K at mean temperature 70 °F (0.028kcal / mhr. ft.)
- ▶ **Available Sizes** : From 15 mm (1/2") up to customer needs.
- ▶ **Board Sizes** : One meter square, may be supplied pre-formed to fit tank or vessel curvature.
- ▶ **Heat resistance** : Temperatures up to 750 °F
- ▶ **Environment Friendly** : Significantly less waste during installation, Easy installation --- Less Labor required --- Reusable --- Minimal Dust due to continuous high-quality fibers
- ▶ **Safety** : HITLIN™ is fire resistant. Also, since no chemical binders are used, HITLIN™ emits no toxic gases under high temperatures

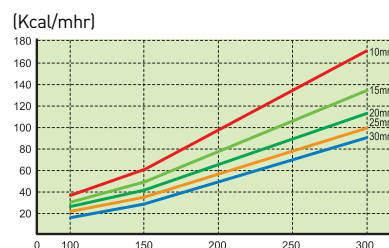
Significant Advantages

Thinner Applications	Unbreakable	Installs easily

Performance Test Results

Item	Standard Values	Test Method
Thermal Conductivity at 70 °F (W/m.K)	0.032	ASTM C518
Density (kg/ft ³)	110~220	ASTM C302
Linear Shrinkage	Less than 5%	ASTM C356
Compressive Properties	196 Kpa	ASTM C165
Water Vapor Sorption (%)	Less than 2.1%	ASTM C1104

Radiative heat



Certifications

Bureau Veritas	Det Norske Veritas	American Bureau Shipping	Lloyd's Register	USCG