

FOILED BACKED THERMAL BLANKETS

COST-EFFECTIVE THERMAL SOLUTION FOR ENGINES, EXHAUST PIPES AND MUFFLERS

Introducing our cutting-edge Thermal Blanket Foil, specifically designed for the utmost protection of your exhaust pipes, manifolds, and engine. This highly advanced product is fabricated with a superior-grade foil backing, providing excellent insulation and heat-resistance.

APPLICATIONS | **EXHAUST SYSTEMS** | **DIESEL ENGINES** | **FIRE PUMPS**
COMPRESSORS | **GENERATORS** | **HEAVY VEHICLES** | **MINING EQUIP.**



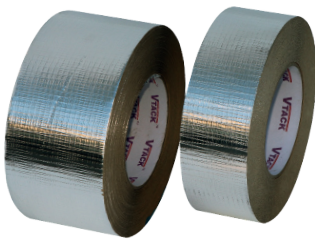
FOIL BACKED THERMAL BLANKET

STOCK CODE	LENGTH	WIDTH	THICKNESS
THBF610-25-1	1mtr	610mm	25mm
THBF610-25-7	7mtr roll	610mm	25mm

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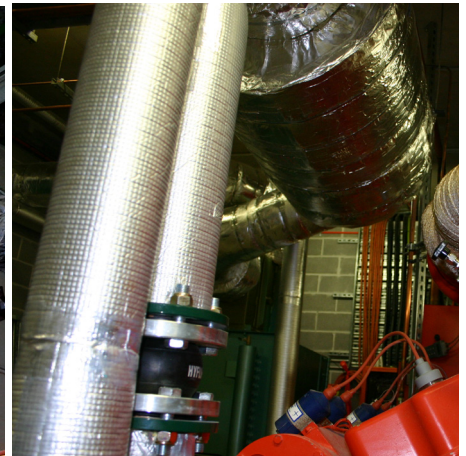
* Special order only

STOCK CODE	LENGTH	WIDTH	THICKNESS
THBF610-50-3	3mtr roll	610mm	50mm



REINFORCED ALUMINIUM FOIL-BACKED TAPE

STOCK CODE	ROLL WIDTH	ROLL LENGTH
HJT200	2" (51mm)	50mtr
HJT300	3" (76mm)	50mtr



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MATERIAL SAFETY DATA SHEET (MSDS)

CLASSIFICATION TEMPERATURE



With Thermal Armour fibre, the consistent use of pure raw materials in our factory has led to the 4% shrinkage temperature rising from >1100°C to >1200°C.

For this reason, the classification temperature is now given as 1200°C in line with the EN 1094-1 norm.

Thermal Armour fibre have been proven over many years to withstand continuous use in an oxidising atmosphere at 1000°C.

BENEFITS

- ✓ Exceeding industry benchmarks performance.
- ✓ Free of binder or lubricant
- ✓ Thermal stability
- ✓ Low heat storage
- ✓ Good resistance to tearing
- ✓ Flexible and resilient
- ✓ Immune to thermal shock
- ✓ Good sound absorption
- ✓ Exonerated from any carcinogenic classification under note Q in Regulation EC No. 1272/2008

TYPICAL APPLICATIONS

- ✓ Power generation (HRSG duct insulation)
- ✓ Process heater linings
- ✓ Exhaust Pipe wrap
- ✓ Furnace and kiln linings
- ✓ Storage heater insulation
- ✓ Domestic Oven insulation
- ✓ Automotive exhaust heat shields

THERMAL HEAT PERFORMANCE

Classification temperature	°C	1200
Maximum continuous use temperature	°C	1000
Colour		White
Density	kg/m3	64, 96, 128
Typical tensile strength of 128 kg/m3 density (EN 1094-1)	kPa	75
High Temperature Performance Permanent linear shrinkage after 24 hours isothermal heating at 1200°C	%	<4 [typically <1]

THERMAL CONDUCTIVITY (ASTM C-201)

Mean Temp (°C)	64 kg/m3	96 kg/m3	128 kg/m3
200	0.06	0.05	0.05
400	0.10	0.09	0.08
600	0.17	0.14	0.12
800	0.26	0.21	0.18
1000	0.38	0.29	0.25

CHEMICAL COMPOSITION (%)

SiO2	62-68
CaO	26-32
MgO	3-7
Other	>1

SOUND ABSORPTION COEFFICIENT (SAC)

Frequency (Hz)	125	250	500	1000	2000	4000	Overall SAC	Sound Absorption Rating
Faced with 20µm reinforced Aluminium foil	0.45	0.9	0.75	0.65	0.65	0.45	0.65	Class C