

Product Description

THERMAX ceramic fiber blanket are manufactured from Thermax refractory ceramic fibres and provide effective solutions to a wide spectrum of the thermal management problems. Utilizing our proprietary high output blowing and shipping techniques these products offer superior insulating performance, flexibility and resilience.

THERMAX ceramic fibre blanket products are unaffected by most chemicals (except hydrofluoric & phosphoric acids and concentrated alkalis). Thermal and physical properties are retained after drying following wetting by oil, steam or water. THERMAX ceramic fiber blanket products are completely inorganics, so there are no fumes when heating for the first time. available in a variety of chemistry, density and thickness combinations, THERMAX ceramic blanket range is one of the most versatile available to the market today.

Features

- High tensile strength
- Low shrinkage
- Excellent hot strength
- High resiliency
- Low thermal conductivity
- Low heat storage
- Resistance to thermal shock
- Good sound absorption
- High heat reflectance

Typical Applications

Ceramic Industry

- Kiln car insulation and seals
- Continuous and batch kilns

Steel Industry

- Heat treating and annealing furnaces
- Furnace door linings and seals
- Soaking pit covers and seals
- Furnace hot face repairs
- Reheating furnace and ladle covers

Refining and Petrochemical

- Reformer and pyrolysis lining
- Tube seals, gaskets and expansion joints
- High temperature pipe, duct and turbine insulation
- Crude oil heater linings

Power Generation

- Boiler insulation
- Boiler doors
- Reusable turbine covers
- Expansion seals/pipe coverings

Others

- Insulation of commercial dryers and ovens
- Veneer over existing refractory
- Stress relieving insulation
- Glass furnace crown insulation
- Fire protection



Technical Index

Classification	1260	1427
Temperature		
Code	LYTX-1260T	LYTX-1427T
Shrinkage on Heating (%)	1000°C x 24h ≤ -3	1350°C x 24h ≤ -3
Thermal Conductivity (W/m·k) (128kg/m³)	≤0.153	≤0.153
(Mean temperature: 500°C)		
Theoretical Density (kg/m³)	96/128	96/128
Tensile Strength (25mm thick) Mpa	0.06	0.06

Dimension

Thickness	length	Width
25mm	7320mm	610mm
50mm	3660mm	610mm

*Other dimensions available to special order.

All data represents typical results of standard tests conducted under controller conditions. As such, the information is intended only as a general guide for specifications and design estimates.