

Product Description

LUYANG ceramic fiber blanket are manufactured from luyang refractory ceramic fibres and provide effective solutions to a wide spectrum of thermal management problems. Utilizing our proprietary high output blowing and spinning techniques these products offer superior insulating performance, flexibility and resilience. LUYANG ceramic fiber 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. LUYANG ceramic fiber blanket products are completely inorganic, so there are no fumes when heating for the first time. Available in a variety of chemistry, density and thickness combinations, LUYANG ceramic blanket range is one of the most versatile available to the market today.

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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

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|--|--------------|---------------|---------------|
| Classification | 1140 | 1260 | 1427 |
| Temperature | | | |
| Code | LYTX-1140T | LYTX-1260T | LYTX-1427T |
| Shrinkage on Heating (%) | 950°C×24h≤-3 | 1000°C×24h≤-3 | 1350°C×24h≤-3 |
| Thermal Conductivity (W/m·k) (128kg/m ³) (Mean temperature: 500°C) | ≤0.153 | ≤0.153 | ≤0.153 |
| Theoretical Density (kg/m ³) | 96 | 96/128 | 128 |
| Tensile Strength (25mm thick) MPa | 0.06 | 0.06 | 0.06 |

Dimension

| Thickness | Length | Width |
|-----------|--------|-------|
| 25mm | 7320mm | 610mm |
| 50mm | 3600mm | 610mm |

*Other dimensions available to special order.

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

