



Industrial Comercial Chile Ltda.

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FIBRA CERAMICA EN MANTA

Laure ceramic fiber blanket is composed of long,flexible,interwoven fibers manufactured by the "blown"and the "spun"process yielding a strong,lightweight yet durable blanket for applications in a temperature range from 1100°C to 1430°C Ceramic fiber blanket has the heat resistance of a hard refractory with five times better insulation value.

Technical data

Item	Common	Standard	H Pure	H Alumina	Zirconium
AL ₂ O ₃ (%)	44	46	47-50	52-55	39-40
Fe ₂ O ₃ (%)	1.2	1.0	0.2	0.2	0.2
ZrO ₂ (%)	—	—	—	—	15-19
Classification Temperature (°C)	1100	1260	1260	1360	1430
Working Temperature (°C)	1000	1050	1100	1200	1350
Density (kg/m ³)	96/128	96/128	96/128	128/160	128/160
Permanent linear shrinkage(%) (after 24 hours,density 128kg/m ³)	-4 (1000°C)	-3 (1000°C)	-3 (1100°C)	-3 (1250°C)	-3 (1350°C)
Tensile strength (Mpa) density 128kg/m ³)	0.08-0.12	0.08-0.12	0.08-0.12	0.08-0.12	0.08-0.12

Features

- 1.Low thermal conductivity
- 2.Very low heat storage
- 3.Very high tensile strength |
- 4.Thermal shock resistance
- 5.Sound absorption
- 6.Quick repairs.should lining damage occur,
furnace can be cooled quickly
- 7.Contains no binder,no fumes or furnace atmosphere contamination
- 8.Contains no asbestos
- 9.No curing or dry out time,lining can be fired to operating temperature immediately |



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

Crude oil heater linings

- Power generation
- Boiler insulation
- Boiler doors
- Reusable turbine covers
- Expansion seals/pipe coverings
- Other
- Insulation of commercial dryers and ovens
- Veneer over existing refractory
- Stress relieving insulation
- Glass furnace crown protection