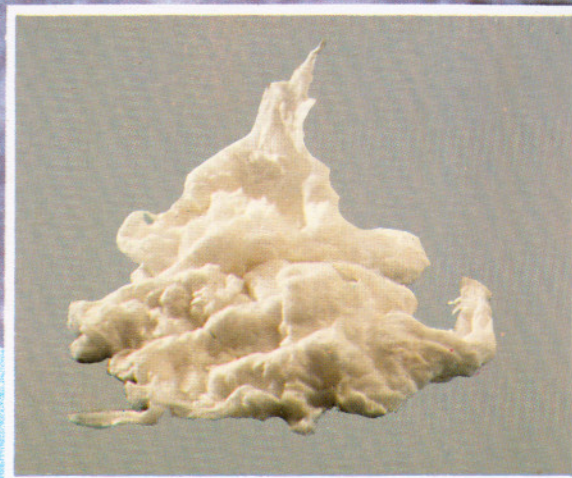
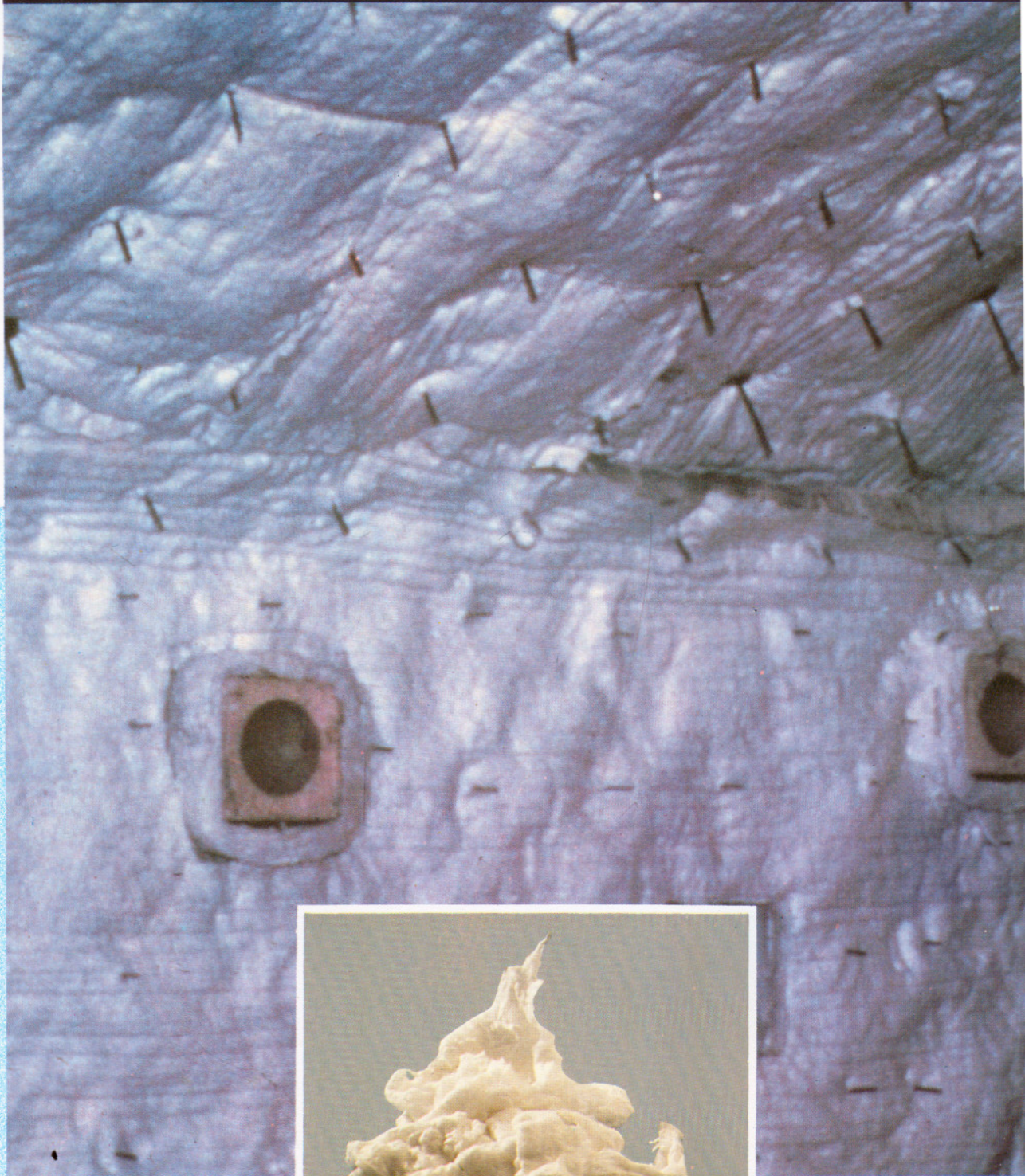




# **SUPERCERA**

CERAMIC FIBRE

## BULK FIBRE



# SUPER CERA - CERAMIC FIBRE BULK FIBRE

SUPERCERA is a high temperature insulating refractory fibre processed from high purity alumina and silica constituents specially selected for high strength refractoriness and stability even under severe conditions.

SUPERCERA spun texture gives it the added extra of exceptionally long fibres and superior mechanical properties essential to meet rugged service conditions.

SUPERCERA bulk fibres provide superior acoustical benefit in addition to high thermal performance - a relevant benefit in process furnaces.

SUPERCERA can be handled and worked into expansion joints, wall penetrations and other areas with nominal skills. In specific cases, our application engineers would be happy to assist with heat loss, Surface Temperature and Heat Storage Computations.



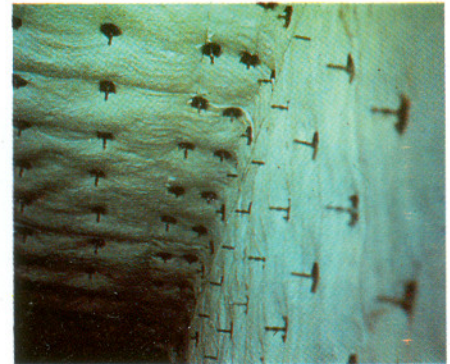
## SALIENT FEATURES

- Low heat storage
- Light weight
- Very low thermal conductivity
- Resistance to high temperature
- High resilience
- Excellent corrosion resistance
- Resistance to thermal shock
- Excellent resistance to chemical attack (with the exceptions of hydrofluoric and phosphoric acids).

## APPLICATIONS

As a resilient fill or packing material in high temperature areas like :

- Burner openings
- Kiln insulations
- Expansion joints
- Fibre boxes
- Furnace patch sealing
- Emergency repairs in refractory
- Glass tanks and glass processing
- Furnace repairs



## SPECIFICATIONS

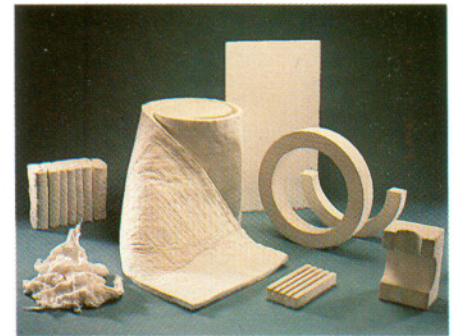
CHEMICAL COMPOSITION	RT	RTZ	HTZ
Al <sub>2</sub> O <sub>3</sub> (%)	46 - 48	41 - 43	33 - 36
SiO <sub>2</sub> (%)	52 - 54	50 - 54	44 - 48
ZrO <sub>2</sub> (%)	-	4 - 6	16 - 19
Leachable Chlorides	<10ppm	<10ppm	<10ppm

PHYSICAL PROPERTIES		RT	RTZ	HTZ
Melting Temperature (°C)		1760	1700	> 1650
Specific Heat (KJ/KgK)		1.07	1.07	1.07
Fibre Diameter (Mean)		2.8 μ	2.8 μ	2.8 μ
Linear Shrinkage (%) after 24 hrs	1000°C	1.5	1.5	-
	1100°C	2.2	2.2	-
	1200°C	3.0	3.0	2.7
	1300°C	-	-	3.5
	1400°C	-	-	4.0
Max Service Temp. (°C)		1260	1260	1425

## AVAILABILITY

(For all grades)

SUPERCERA bulk fibre is available in standard packs of 10kg.



□ Consult us for recommendation on thickness of Insulation and application to suit your end use condition.



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THINK LLOYD INSULATIONS