



SUPERCERA
CERAMIC FIBRE

BLANKETS

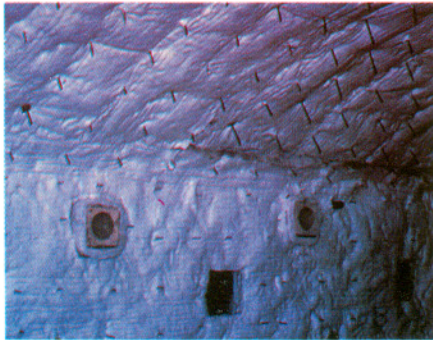


SUPERCERA - CERAMIC FIBRE BLANKETS

GRADE : RT, RTZ, HTZ

SUPERCERA Blanket is a refractory fibre needed mat made without binder from Supercera fibres-the only super-spun double needed fibre in the country today. Supercera RTZ and HTZ Blankets are zirconia stabilised and are suitable for use upto 1260°C and 1425°C respectively.

Both blankets have excellent resistance to most chemicals. If wet by oil or water, their thermal and physical properties are fully restored upon drying.



OUT-STANDING ADVANTAGES

- Excellent Thermal Stability
- Low Shrinkage at elevated temperature - due to their excellent Thermal Stability
- Low Heat Storage
Both blankets store approximately 95% less heat than dense firebrick and approximately 75% less heat than insulating firebrick- a property of significant importance in the operation of periodic kilns/furnaces
- Good Cold Strength
- Excellent Hot Strength
- Thermal Shock Resistance
Due to the flexible matrix of Supercera, extreme temperature changes do not alter its ability to physically stay in place and perform at highest levels.
- The products are not wetted by molten non-ferrous metals. If wet by oil, water or steam, thermal and physical properties will be fully restored after burn out or drying.

SPECIFICATIONS

CHEMICAL COMPOSITION	RT	RTZ	HTZ
Al ₂ O ₃ (%)	46 - 48	41 - 43	33 - 36
SiO ₂ (%)	52 - 54	50 - 54	44 - 48
ZrO ₂ (%)	-	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)		2.8μ	2.8μ	2.8μ
Linear Shrinkage (%) after 24 hrs Firing / Soaking	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

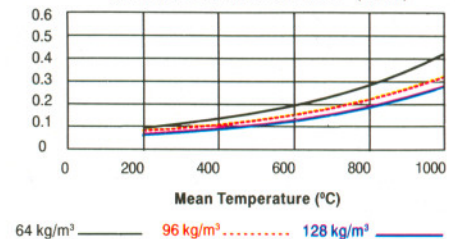
APPLICATIONS

- Normalising, Annealing furnaces and glass lehrs
- Reformers, Ducts in Petrochemical, Fertiliser and Boiler Linings Industry
- Flexible high temperature pipe insulation
- Low velocity HRSG and stack linings
- Glass furnace crown insulation
- Trundish Cover, Transfer cars in Steel Plants
- Soaking pit seals and expansion joint
- Kilns, kiln cars for Ceramic Industry
- Annealing cover bottom seals
- Reusable insulation blankets for field stress relieving of welds
- Removable insulation blankets for steam and gas turbines and fire protection
- Insulation wrap on investment casting moulds
- Furnace door seals, linings and gaskets
- Temporary repair of refractory furnace linings and roofs
- High Temperature filter media/gaskets
- High Temperature Sound Absorption and Nuclear Insulation applications

AVAILABILITY (For all grades)

Density (Kg/m³) - 64, 96, 128
Thickness (mm) - 15, 20, 25, 40, 50
Roll Dimension - 7620mm x 610mm
 Other sizes available on request.

THERMAL CONDUCTIVITY (W/mk)



64 kg/m³ ——— 96 kg/m³..... 128 kg/m³ - - - -



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

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