



DESCRIPTION

Coatings are useful for modular lining where flue gas velocity is very high. They are used on hot face of lining to enhance the erosion and abrasion resistance to the flue gas velocity and protect the fibre from chemical attack. Coatings also improve emissivity of the lining.

Coatings are available in four different variants based on chemistry and types of applications.

GENERAL CHARACTERISTICS

Coatings have the following outstanding characteristics :

- High temperature stability
- Resistance to thermal shock & chemical attack
- Excellent thermal reflectance / Emissivity
- Resistance to hot gas erosion
- Reduces shrinkage of hot face in CF lining

TYPICAL APPLICATIONS

- Hot face coating on module lining for Fired heaters / furnaces & Reformers, HRSG, Kilns, etc.
- Furnace lining hot gas erosion protection

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

*greener
cleaner
safer*
specialty fibers for
a greener, cleaner, safer world

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TYPICAL PRODUCT PARAMETERS

Coatings	Cercoat M	Cercoat Z	Cercoat ZL	Cercoat S
Physical Properties				
Type	High Alumina Based	Zirconia based	Zirconia based Low Temp. setting	Alumina Silica based
Max Service Temperature (°C)	1600	1700	1700	1600
Form	Dry powder	Dry powder	Dry powder	Thick slurry
Density (kg/m ³)	1400 - 1600	1800 - 2100	1800 - 2100	1800 - 2100 (Wet)
Approx. Setting Temperature (°C)	1150	950	400	150
Thermal Shock Resistance	Excellent	Excellent	Excellent	Good
Application suitability for	High Alumina Mullite Fibre	All types of Fibres with Alumina < 60% & all Alumina-Silica or Zirconia Refractories	Fibres with Alumina < 60% & Alumina-Silica or Zirconia Refractories where low temp. setting is essential	All types of Fibres with Alumina < 60% & all Alumina-Silica or Zirconia Refractories
Method of Application	Mix with 50-60% water & Spray or Brush	Mix with 50-60% water & Spray or Brush	Mix with 50-60% water & Spray or Brush	Dilute with water & Spray, Brush or Trowel
Coverage (gm/ft ²)	200	150 - 200	150 - 200	100 - 150
Shelf Life	N.A.	N.A.	N.A.	6 Months

(If kept unopened in cool dry condition)

AVAILABILITY

Packaging	M	Z	ZL	S
30 Kgs / Pail	✓			
40 Kgs / Pail		✓	✓	✓

HANDLING INFORMATION

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

Supplied by:

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