



DESCRIPTION

Monolane (Monolithic Lining) is Unifrax India's unique system for applications involving high temperatures. Monolane system is cost effective compared to other fibrous systems available for operating temperatures above 1450°C. The system is made up of Monolane Blanket, Monolane Solution, and Monolane Anchoring. Monolane system provides high density and high compression fibre lining with very low effective shrinkage even at 1500°C.

GENERAL CHARACTERISTICS

Monolane Lining has the following outstanding characteristics :

- Monolithic system
- Uniform high density
- Low shrinkage
- Low thermal conductivity & heat storage
- High temperature stability

TYPICAL APPLICATIONS

- Fired heaters & Reformers
- Reheating & Forging Furnaces / CGL
- Ladle & Soaking pit covers
- Tunnel kilns & Intermittent kilns

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

Monolane Lining

Typical Chemical Analysis (wt.%)

Al_2O_3	46 - 51
SiO_2	48 - 52
Fe_2O_3	0.1 - 0.2
TiO_2	0.1 - 0.2

Physical Properties

Density after Drying (kg/m^3)	192
Compression (%)	50

Permanent Linear Shrinkage (%) 24 hour soak

1500 °C	Across the Grain	0.4
	Along the Grain	1.7

Thermal Conductivity (W/mK)

Mean Temp.

500 °C	0.10
600 °C	0.12
800 °C	0.17
1000 °C	0.21

Linear Shrinkage & Thermal Conductivity figures are empirical values (average) based on experience.

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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