# Fiberfrax® Moist Pak™



## DESCRIPTION

Fiberfrax Moist Pak is made from high strength Fiberfrax ceramic fibre blanket impregnated with inorganic bonding agents resulting in flexible insulation that dries to a hard rigid structure. Moist Pak products are ideal for insulation of complex shapes and for service under conditions of high hot gas velocities. The materials are packaged in polythene bags to retain the wet binder during shipment and storage. Moist Pak products are available in a range of density and thickness combinations.

## GENERAL CHARACTERISTICS

Fiberfrax Moist Pak products have the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity
- Low heat storage
- Good corrosion resistance
- Complex shape capability

## TYPICAL APPLICATIONS

- Hot face layer of furnace and kiln linings
- Hot gas duct, flue & stack linings
- Thermal and corrosion protection of tube supports in process heaters
- Non-ferrous metal launder linings

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.

*Start saving energy now.*
*Contact your local distributor.*

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## TYPICAL PRODUCT PARAMETERS

| | Moist Pak |
|---|---|
| **Typical Chemical Analysis (fibre wt. %)** | |
| $SiO_2$ | 50.0 - 58.0 |
| $Al_2O_3$ | 42.0 - 50.0 |
| $Fe_2O_3 + TiO_2$ | <0.2 |
| Alkalis | <0.25 |
| **Physical Properties** | |
| Colour | White |
| Dry Product Density ($kg/m^3$) | 300 - 400 |
| Binder Type | Alumina/Silica |
| Use Limit (°C) * | 1100 |
| **Thermal Conductivity (W/mK)** | |
| **Mean Temp.** | |
| 400 °C | 0.10 |
| 600 °C | 0.13 |
| 800 °C | 0.18 |
| **Permanent Linear Shrinkage (%) 24 Hour Soak** | |
| 1100 °C | <4.0 |

*The maximum continuous limit temperature for these products depends upon application conditions. For certain applications operational temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office. Where appropriate Physical Properties data measured according to EN 1094-1.

## AVAILABILITY

| Thickness (mm) | Roll Size |
|---|---|
| 6 | 2400 x 600 |
| 9 | 2400 x 600 |
| 12 | 2400 x 600 |
| 19 | 1200 x 600 |
| 25 | 1200 x 600 |

Other thicknesses / sizes may be available on request subject to minimum order requirements

## 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:*