



## DESCRIPTION

Fiberfrax<sup>®</sup> Moist Pak is manufactured from Durablanket that has been soaked in a specially formulated rigidizing solutions which causes the blanket to harden when exposed to ambient air or heat.

It is a “hot face” refractory insulation barrier that has been designed for direct exposure to process atmosphere and can be fitted to variety of surface contours.

## GENERAL CHARACTERISTICS

Fiberfrax<sup>®</sup> Moist Pak has the following outstanding characteristics :

- High temperature stability
- Resistance to hot gas erosion & chemical attack
- Low thermal conductivity
- Resistance to thermal shock

## TYPICAL APPLICATIONS

- Hot face layer of furnace & kiln lining
- Recuperator linings
- External pipe insulation
- Reformer header & pigtail insulation
- Protection for process tube welds
- Process heater tube support 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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**UNIFRAX**

## TYPICAL PRODUCT PARAMETERS

| <b>Fiberfrax<sup>®</sup> Moist Pak</b>             |                  | <b>S</b>           |
|--|------------------|--------------------|
| <b>Typical Chemical Analysis (wt.%)</b>            |                  |                    |
| Al <sub>2</sub> O <sub>3</sub>                     |                  | 32 - 35            |
| SiO <sub>2</sub>                                   |                  | 65 - 68            |
| Others   |                  | < 1                |
| <b>Physical Properties</b>                         |                  |                    |
| Colour   |                  | White to Off-White |
| Classification Temperature (°C)                    |                  | 1260               |
| Density (kg/m <sup>3</sup> )                       | Dry              | 320 - 350          |
|  | Wet              | 950 - 1050         |
| Mean Fibre Diameter (microns)                      |                  | 2.6 - 3.4          |
| Velocity Resistance (m/s)                          | Room Temperature | 45                 |
|  | 1000°C           | 30                 |
| Shelf Life   |                  | 6 Months           |
| <i>(If kept unopened in cool dry condition)</i>    |                  |                    |
| <b>Permanent Linear Shrinkage (%) 24 hour soak</b> |                  |                    |
| 1100 °C  |                  | 2.0 Max            |
| <b>Thermal Conductivity , ASTM C-177 (W/mK)</b>    |                  |                    |
| <b>Mean Temp.</b>                                  |                  |                    |
| 400 °C   |                  | 0.10               |
| 600 °C   |                  | 0.13               |
| 800 °C   |                  | 0.17               |

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

Classification temperature refers to the maximum short term temperature limit. The maximum continuous use limit depends upon application conditions. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office.

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## AVAILABILITY

| <b>Thickness (mm)</b> | <b>Qty. per Carton</b> |                  |
|-----------------------|------------------------|------------------|
|                       | <b>Size (mm)</b>       | <b>610 x 914</b> |
| 6                     |                        | 5                |
| 13                    |                        | 3                |
| 19                    |                        | 2                |
| 25                    |                        | 2                |

Other 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: