



# Fiberfrax® Papers

Fiberfrax® Papers are manufactured using our expert non-wovens technology and offer exceptional insulating performance and flexibility.

Advanced production techniques ensure a highly uniform structure characterized by low thermal conductivity, good handling strength and a smooth surface.

Premium grade Fiberfrax Paper is produced using a unique washing process to give a paper designed for applications where extra cleanliness is required



## GENERAL CHARACTERISTICS

Fiberfrax Papers have these outstanding characteristics:

- High temperature stability (upto 1260 Deg.C)
- Low heat storage
- Light weight
- Resiliency
- Thermal shock resistance
- Flexibility in use
- Easy to wrap, shape & cut
- Contains no asbestos

## TYPICAL CHEMICAL ANALYSIS (fired wt.%)

|                                                  |       |
|--------------------------------------------------|-------|
| SiO <sub>2</sub>                                 | 54-58 |
| Al <sub>2</sub> O <sub>3</sub>                   | 42-46 |
| Alkalis                                          | <0.25 |
| Fe <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> | <0.3  |
| Loss of ignition                                 | <10%  |

## TYPICAL PRODUCT PARAMETERS

### Physical Properties

|                      |                           |
|----------------------|---------------------------|
| Colour               | White                     |
| Classification temp. | 1260 Deg.C                |
| Melting point        | >1760 Deg. C              |
| Product density      | 150-210 kg/m <sup>3</sup> |
| Tensile strength     | >350kPa                   |

### THERMAL CONDUCTIVITY (w/mK)

|                            |      |
|----------------------------|------|
| Mean Temp.                 |      |
| 400 Deg. C                 | 0.06 |
| 600 Deg. C                 | 0.08 |
| 800 Deg. C                 | 0.11 |
| Permanent Linear Shrinkage |      |
| 24 hour soak at 1250 Deg.C | <40% |

Where appropriate Physical Properties and Thermal Conductivity Data measured according to ASTM C 892 and ASTM C 177 respectively.

## TYPICAL APPLICATIONS:

- \* Die cut gaskets between castings in coke over doors, blast furnace hot air piping, aluminium heat treating furnace, tuyeres and heat treat furnaces.
- \* Backup for brick & monolithic refractories in blast furnace stoves, piping, tundish, ladle, hot metal cars, troughs, etc.
- \* Automotive Silencer interleaf and heat shields
- \* Mould wrapping for controlled cooling
- \* SEN insulation wrapping
- \* Heat shield for welding & brazing operation
- \* Fabricated into tapout cones for aluminium industry
- \* Induction coil liner
- \* Mould liner
- \* Ladle & Tundish insulation
- \* Asbestos paper replacement
- \* Hot top linings
- \* Thermal and electrical insulation
- \* Rotary kiln back-up insulation
- \* Expansion joint packing

## AVAILABILITY

| Thickness (mm)                          | 1         | 2         | 3         | 4         | 5         | 6         | 8       | 10      | 12      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|
| <b>Sheet Form</b><br>Std. Size ( M x M) | 1 x 1     | 1 x 1     | 1 x 1     | 1 x 1     | 1 x 1     | 1 x 1     | 0.5 x 1 | 0.5 x 1 | 0.5 x 1 |
| <b>Roll Form</b><br>Std. Size ( M x M)  | 1.22 x 40 | 1.22 x 30 | 1.22 x 20 | 1.22 x 15 | 1.22 x 12 | 1.22 x 10 | N A     | N A     | N A     |

Other thickness / roll size variations and 1400 De.C product available on request subject to minimum order requirements

### Chaney Refractories Pvt. Ltd.

(A wholly owned subsidiary of Unifrax India Ltd)

#### Works:

Plot No. 27, F-2 Block, MIDC,  
Pimpri, PUNE 411018.

Phone: +91 20 40757777

Fax: +91 20 40757700

E mail: crpl@unifrax.co.in

#### Mumbai Office:

402, Kailash Tower, Behind STC Colony,  
Andheri East, Mumbai-400 069.

Phone: 91 22 2682 3479 / 2682 3256/ 2682 1505

Fax : 91 22 2682 0005

E mail: unifrax.mumbai@unifrax.co.in

Website: www.unifrax.com

#### Delhi Office:

1603, Chiranjiv Tower, 43,  
Nehru Place,  
New Delhi-110019

Phone : 91 11 26440881 / 65651065

Fax : 91 11 26440879

E mail: unifrax.delhi@unifrax.co.in

#### Kolkata Office:

5, Lala Lajpat Rai Sarani (Elgin Road)  
Gujarat Centre, 4th Floor,  
Kolkata-700020

Phone: 91 33 30580169/70/71/72/73

Fax : 91 33 30580170 / 22809138

E mail: unifrax@vsnl.com

#### Chennai Office:

New No. 58, Velacherry Road  
Little Mount, Saidapet,  
Chennai - 600015

Phone : 91 44 22353171

Fax : 91 44 22352352

E mail: unifrax.chennai@unifrax.co.in