Product Information Sheet

Saffil®

Saffil Felt

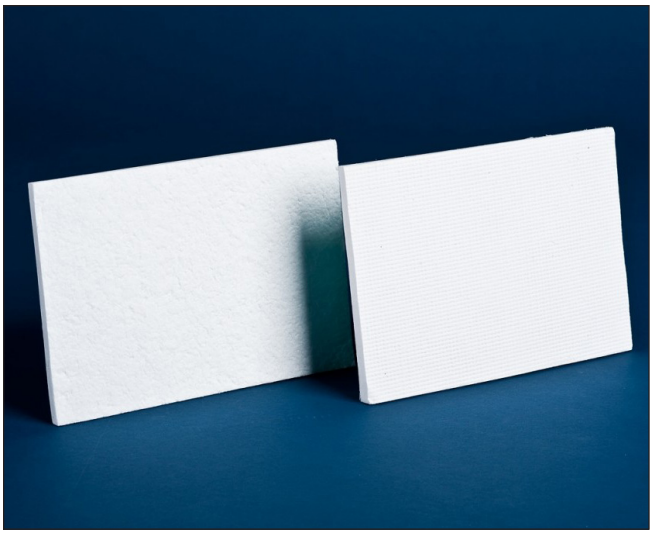
Description

Saffil Felt is manufactured from high purity polycrystalline wool, blended with specially selected organic binders to give flexible felts with exceptional characteristics. Designed for use up to 1600°C, the resultant sheets are intumescent, self supporting and lightweight with exceptional thermal performance characteristics. Upon initial firing, the organic binder burns out completely at temperatures in excess of 400°C and an expansion in the product's thickness occurs.

General Characteristics

Saffil Felt has the following outstanding characteristics:

- High temperature stability (up to 1600°C)
- Low thermal conductivity
- Virtually 'shot' free
- Resistance to thermal shock & chemical attack
- Excellent flexibility & high temperature resiliency
- Insoluble in water
- Expansion up to 3 times original thickness



Typical Applications

- Expansion joints in industrial furnace linings
- Strips in new fibre module linings to overcome shrinkage
- Gap filling for lining maintenance/repair
- High temperature gaskets and seals

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Typical Product Parameters

Saffil Felt	
Typical Chemical Analysis (fibre wt. %)	
Al_2O_3	95 – 97
SiO_2	3 – 5
Trace	<0.5
Physical Properties	
Colour	White
Classification Temperature (°C)*	1600
Product Density (kg/m^3)	160
Product Thickness (mm)$^+$	8
Loss on Ignition (wt. %)	
from Fibre	0
from Felt	<12

*Classification Temperature is not a definition of the operational limit of these products, especially when long term physical or dimensional stability is a factor. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office.

$^+$Thickness variation can be +/- 2mm on nominal.

Availability

Thickness (mm)	Sheets per Carton
Sheet Size (mm)	*700 x 550*
8	20

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.

Form U-440 EN
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Saffil®

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