

Product Information Sheet

Insulfrax®

Insulfrax® FT Paper

INTRODUCTION

Insulfrax FT Paper products are manufactured from Insulfrax alkaline earth silicate wool, blended with specially selected organic binders to give flexible papers with exceptional characteristics. Advanced production techniques ensure a highly uniform structure enhanced by low thermal conductivity, good handling strength and a smooth surface. Insulfrax Papers are available in a range of thicknesses and roll sizes.

GENERAL CHARACTERISTICS

Insulfrax FT Paper has these outstanding characteristics:

- High temperature stability (up to 1200oC)
- Low thermal conductivity
- Good handling strength
- Excellent flexibility
- Easy to wrap, cut and shape

TYPICAL CHEMICAL ANALYSIS (fibre wt. %)

SiO ₂	61.0 – 67.0
CaO	27.0 – 33.0
MgO	2.5 – 6.5
Al ₂ O ₃	< 1.0
Fe ₂ O ₃	< 0.6
Loss on ignition	< 12%



TYPICAL PRODUCT PARAMETERS

PHYSICAL PROPERTIES

Colour	White
Paper type	Unwashed
Classification Temp. **	1200°C
Melting Point	> 1330°C
Product Density *	180 – 240 kg/m ³
Tensile Strength *	> 350 kPa

*Based on free (uncompressed) thickness

**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 such applications, operational limits are generally significantly reduced. In these cases, please contact your nearest Alkegen Engineering office for advice.

THERMAL CONDUCTIVITY DATA (W/mK)

400°C Mean Temp	0.10
600°C Mean Temp.	0.15
800°C Mean Temp.	0.22

PERMANENT LINEAR SHRINKAGE 24 HOUR SOAK

1200°C	< 4.0%
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Information contained in this publication is for illustrative purposes only and is not intended to create any contractual obligation.

Where appropriate Physical Properties Data measured according to EN 1094 -1

ALKEGEN

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TYPICAL APPLICATIONS

- High temperature gaskets and seals
- Ingot mould liners
- Automotive heat shields
- Molten metal transfer systems (back-up insulation)
- Expansion joints

Any new and/or special use of these products, whether or not in an application listed in this datasheet, must be submitted to our technical department for their prior written approval.

AVAILABILITY

Thickness	2mm	3mm	4mm	5mm	6mm	8mm	10mm
Roll Length (m)							
Width							
1000mm	180	110	80	60	60	10	10

Insulfrax FT Paper is a non-standard product and is subject to a minimum order requirement.

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The test data shown are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes. Product Information Sheets are periodically updated by Alkegen. Before relying on any data or other information in this Product Information Sheet, you should confirm that it is still current and has not been superseded. A Product Information Sheet that has been superseded may contain incorrect, obsolete and/or irrelevant data and other information.

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