INSULFRAX BLOK

Insulfrax Blok products are manufactured using a combination of mineral wool and Insulfrax alkaline earth silicate wool, blended with specially selected inorganic and organic binders to give thick, rigid boards with exceptional characteristics. Insulfrax Blok is designed specifically for use as back-up insulation in various high temperature industry applications. Insulfrax Blok is available in two grades, Blok 80 is suitable for use in applications with operating temperatures up to 800°C and Blok 110 for applications with operating temperatures up to 1100°C.

General Characteristics

Insulfrax Blok products have the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity
- Resistance to thermal shock
- Good handling strength
- Easy to cut with standard tools

Typical applications

- Refractory back-up
- Chemical processing industries
- Ferrous & non-ferrous metal industries
- Power Generation
- Ceramic Industry

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.

Typical product parameters

Physical Properties

Insulfrax Blok	**80**	**110**
Colour	Tan/Brown	Tan/Brown
Melting point	> 1230°C	> 1230°C
Product Density	300 kg/m^3	300 kg/m^3
Use Limit*	800°C	1100°C
Loss on ignition (wt.%)	<7.0	<7.0

*Use limit refers to the maximum short term temperature limit. The maximum continuous use limit for boards depends upon application conditions. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact us. Where appropriate Physical Properties data measured according to EN 1094-1.

LEADER IN HIGH TEMPERATURE SOLUTIONS

TECHNICAL DATASHEET

Insulcon B.V.- The Netherlands - Tel: +31 (0) 167 565750
Insulcon GmbH - Germany - Tel: +49 (0) 2131 408548-0
Insulcon N.V. - Belgium - Tel: +32 (0) 3 711 02 78
Insulcon Projects S.A. - Switzerland - Tel: +41 (0) 91911739-0

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INSULFRAX BLOK

Typical Chemical Analysis (fibre wt. %)

Insulfrax Blok	**80**	**110**
SiO_2	44.0 – 72.0	47.0 – 77.0
CaO + MgO	19.0 – 40.0	18.0 – 39.0
Al_2O_3	8.0 – 16.0	5.0 – 13.0
$Fe_2O_3 + TiO_2$	<7.0	<6.0
Trace	<5.0	<5.0

Thermal Conductivity Data (W/mK)

200°C Mean Temp.	0.05	0.05
400°C Mean Temp.	0.08	0.08
600°C Mean Temp.	0.13	0.13

Permanent Linear Shrinkage (24 hour soak)

800 °C	< 4%	-
1100 °C	-	< 4%

Availability

Thickness (mm)	**80**	**110**	**Sheets per pallet**
	Sheet dimensions		1250 x 1000 mm
25	✓	✓	44
40	✓	✓	27
50	✓	✓	22

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.

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