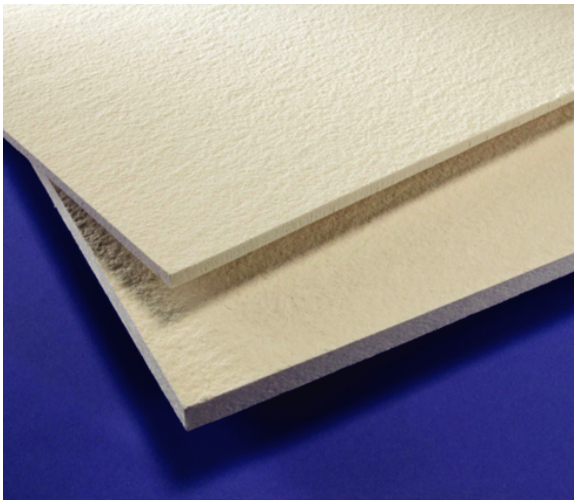
Product Information Sheet

Isofrax® Board 120MD

Description

Isofrax® Board 120MD is manufactured from Isofrax fibre, blended with specialty selected inorganic and organic binders to give rigid insulating boards with exceptional characteristics. These boards exhibit excellent insulating performance and high temperature stability for a wide range of applications up to 1200°C.



General Characteristics

Isofrax Board 120MD 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

- High temperature kiln and furnace linings
- Rigid high temperature gaskets and seals
- Heat shields
- Gas boiler combustion chamber linings

Information on other applications available upon request. Any new and/or special use of these products, whether or not in an application listed in our literature, is advised to be submitted to our Application Engineering department for review and guidance on material selection.

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The board contains a small percentage of organic binder plus inorganic hardening agents, resulting in products that display uniform hardness and density as well as exceptional handling strength. Our in-house machining facilities allow for precise finishing of shapes to customer requirements.

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Typical Product Parameters

Isofrax Board	120MD
Typical Chemical Analysis (fibre wt. %)	
SiO_2	70.0 – 80.0
MgO	>18.0 – 27.0
Trace	< 4.0
Physical Properties	
Colour	Tan
Product Density (kg/m^3)	300 - 450
Use Limit (°C)*	1200
Loss on ignition (wt. %)	≤ 9
Permanent Linear Shrinkage (%) 24 Hour Soak	
1100°C	≤ 4

*Use limit refers to the maximum short term temperature limit. The maximum continuous use limit for these products depends upon application conditions.
For certain applications, continuous use temperature limits may be significantly reduced.
Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.
For assistance or further clarification, please contact your nearest Alkegen Application Engineering office.

Product parameters relate to product characteristics before any secondary treatment.
Where appropriate Physical Properties data measured according to EN 1094-1.

Availability

Thickness 25 - 40 mm
Standard board dimensions: 1000 x 1250mm and 1000 x 610mm
Other thickness/sizes may be available on request subject to minimum order requirements.

Handling Information

A Safety Data Sheet (SDS) 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.

Isofrax is an AES (alkaline earth silicate) wool, that is exonerated from classification by virtue of Note Q, as detailed under regulation (EC) No 1272/2008 (CLP) and as such is considered to be a low biopersistent (LBP) substance.

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