

INSULFRAX ANCHOR-LOC MODULES

Description

Insulfrax Anchor-Loc modules are manufactured from Insulfrax blanket to provide two standard construction forms, edge-stacked or folded. These modules can be produced with various anchoring systems to enable quick, easy and efficient installation for most lining applications.

Available in a range of thickness and density combinations, the Insulfrax module range is specifically designed to meet the thermal insulation requirements of industrial furnaces, kilns and heaters.



General Characteristics

Insulfrax Anchor-Loc modules have the following outstanding characteristics:

- High temperature stability (up to 1200°C)
- Low thermal conductivity & heat storage
- Resistance to thermal shock
- Lightweight
- Fast installation & selection of attachment designs

Typical Applications

Metallurgy

- Annealing furnace
- Heat treatment lining

Power Generation

- Heat recovery steam generator & ducts

Petrochemical

- Stabiliser reboiler
- Hot bypass stack

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

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

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Physical Properties

Colour	White
Product Density (kg/m ³)	170
Use limit (°C)	1050
Classification Temperature (°C)	1200

*The maximum continuous use limit temperature for these products depends upon operating and application conditions. For certain applications operational temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Insulcon Engineering office, where appropriate Physical Properties are measured according to EN 1094-1. ‡ Based on classification temperature of the fibre in blanket form.

Availability

Standard Module Dimensions RX2 TL, WL

Length	Width	Thickness	Per Pallet	Per Pallet
300	300	100	264	308
		125	192	224
		150	168	196
		175	144	168
		200	120	140
		225	96	112
		250	96	112
		275	96	112
		300	72	84
		325	72	84
		350	72	84

Other thicknesses / sizes may be available on request subject to minimum order requirements.

Anchor systems available include:

RX2 = Side fixing system: Standard grade AISI 321

TL = Thread-Loc. Centre fixing system: Standard grade AISI 304

WL = Weld-Loc. Centre fixing system: Standard grade AISI 304

Thermal Conductivity Data (W/mK)

Mean. temp. (°C)	Density (kg/m ³)
	170
400	0,11
600	0,15
800	0,18
1000	0,25

Thermal Conductivity figures are empirical values based on experience

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