

SAFFIL & M-FIL ANCHOR-LOC MODULES

Description

Saffil & M-Fil Anchor-Loc Modules are manufactured from polycrystalline fibre into a standard edge-stacked construction format. These prefabricated anchored modules are specifically designed to meet the thermal insulation requirements of industrial furnaces, kilns and heaters.

Saffil & M-Fil Anchor-Loc Modules can be produced with various anchoring systems to enable quick, easy and efficient installation for most lining applications. The Module range offers effective engineered solutions to thermal management problems in many industry sectors.



General characteristics

Saffil & M-Fil Anchor-Loc Modules have the following outstanding characteristics and advantages:

- Very high temperature stability
- Low thermal conductivity & heat storage
- Resistance to thermal shock & chemical attack
- Lightweight
- Fast installation & selection of attachment designs

Physical Properties

Colour	White	White
Product Density (kg/m ³)	130	130
Use Limit (°C) *	1500	1500
Classification Temperature (°C)#	1600	1600

Permanent Linear Shrinkage (%) 24 hour soak

1500 °C	< 4.0	< 4.0
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*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 Insulcon office. Where appropriate Physical Properties are measured according to EN 1094-1.

#Based on classification temperature of the fibre in blanket form.

Availability standard size

Length	Width	Thickness
300	300	300 (Minimum Thk. 200mm)

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

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Thermal conductivity data (W/mK)

Mean Temp. (°C)	Density (kg/m ³)	
	Saffil 130	M-Fil 130
600	0.12	0.12
800	0.18	0.18
1000	0.28	0.28
1200	0.43	0.43

Thermal Conductivity figures are empirical values based on experience.

Typical applications

Petrochemical

- Furnaces & Fired heaters

Metallurgy

- Heat treatment & Forge furnaces
- Ladle & Soaking pit covers

Ceramic

- Tunnel kilns & Intermittent kilns

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

Saffil fibre modules

Typical Chemical Analysis (fibre wt. %)

	Saffil	M-Fil
Al ₂ O ₃	95-97	≥ 72.0
Al ₂ O ₃ + SiO ₂	≥ 99.0	≥ 99.0

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.