INSULFRAX® LTX ANCHOR-LOC MODULES

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LEADER IN HIGH TEMPERATURE SOLUTIONS

Description
Insulfrax® LTX Anchor-Loc Modules combine the performance features of the proven Anchor-Loc Module attachment systems with the utilisation of Insulfrax® LTX blanket, a low bio-persistent (LBP) fibre thermal Insulation.

These lightweight needled blankets combine innovative proprietary technology with Insulfrax® proven performance to create the best low-bio persistent Insulfrax® blanket available.
Insulfrax® LTX blankets, manufactured from alkaline earth silicate (AES) wool, provide effective solutions to a variety of thermal management challenges.

Insulfrax® LTX blanket combines superior thermal performance, excellent tensile strength and exceptional resilience making it the ideal choice as feedstock for the manufacture of Insulfrax® LTX Anchor-Loc Modules. Insulfrax® LTX Anchor-Loc Modules retain their strength, flexibility and thermal properties in many working environments without the generation of smoke or fumes.

Modules are typically manufactured from fully edgestacked or folded Insulfrax® LTX blanket. The fold location may be on the hot face or cold face of the module, subject to client preference. They can be produced in several design configurations. Insulfrax® LTX Anchor-Loc Modules are available with a choice of anchoring systems to enable quick, easy and efficient installation, providing an effective engineered solution for various lining applications.

General characteristics
Insulfrax® Anchor-Loc Modules have the following outstanding characteristics:
- High temperature stability (up to 1050°C)
- Low thermal conductivity
- Resistance to thermal shock
- Low heat storage
- Lightweight
- Fast installation & selection of attachment designs

Typical applications
Insulfrax® LTX Anchor-Loc Modules are the product of choice for a wide range of applications in a number of industries.

Metallurgy
Annealing furnace & Heat treatment lining

Power Generation
Heat recovery steam generator & Duct linings

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.

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TECHNICAL DATASHEET

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Typical product parameters
Insulfrax® LTX Anchor-Loc Modules

Typical Chemical Analysis (fibre wt. %)	
SiO_2	61.0 - 67.0
CaO	27.0 - 33.0
MgO	2.5 - 6.5
Al_2O_3	<1.0
Fe_2O_3	<0.6

Physical Properties

Colour	White
Product Density (kg/m^3)	170
Use Limit (°C)*	1050
Classification Temperature (°C)	1200
Mean Fibre Diameter (microns)	4.0

Thermal conductivity data (w/mk) ASTM C201

Mean Temp. (°C)	
400	0.09
600	0.11
800	0.14
1000	0.20

*The maximum continuous use limit temperature for these products depends upon operating and application conditions, and also the engineered design of the insulation lining. For additional information and support regarding product performance or to identify the recommended product for your application, please contact your nearest Insulcon Application Engineering office.

Data shown is based on average results of tests conducted under standard procedures and are subject to variation.

Availability (standard truck)

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

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