

# INSULFRAX LTX ANCHOR-LOC MODULES

## 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 Anchor-Loc LTX 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
- Low thermal conductivity
- Resistance to thermal shock
- 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 & 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.

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## Typical product parameters

### Insulfrax Anchor-Loc Modules

Typical Chemical Analysis (fibre wt. %)

|                                |             |
|--------------------------------|-------------|
| SiO <sub>2</sub>               | 61.0 - 67.0 |
| CaO                            | 27.0 - 33.0 |
| MgO                            | 2.5 - 6.5   |
| Al <sub>2</sub> O <sub>3</sub> | <1.0        |
| Fe <sub>2</sub> O <sub>3</sub> | <0.6        |

### Physical Properties

|                                      |       |
|--------------------------------------|-------|
| Colour                               | White |
| Product Density (kg/m <sup>3</sup> ) | 170   |
| Use Limit (°C)*                      | 1050  |
| Classification Temperature (°C)      | 1200  |

### Thermal conductivity data (w/mk)

|                 |      |
|-----------------|------|
| 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

| Length | Width | Thickness | RX2<br>Per Pallet | TL, WL<br>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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