

## Insulfrax® Anchor-Loc®<sub>2</sub> 1100°C Modules

### Introduction

Insulfrax® Anchor-Loc®<sub>2</sub> 1100°C modules extend the successful performance of standard Anchor-Loc folded modules to a product form featuring laminated Insulfrax S low bio-persistent (LBP) blanket construction. This product combines advancements in fiber chemistry, manufacturing technology, and attachment hardware design to provide an economical lining system for a wide range of heat processing vessels.

The Fibermass® manufacturing technique used to fabricate Anchor-Loc<sub>2</sub> 1100°C modules bonds layers of Insulfrax S blanket into a strong, pliable fiber block. Spun Insulfrax S blankets which feature high tensile strength for improved resistance to mechanical abuse, vibration, and gas velocity are used in the construction of Anchor-Loc<sub>2</sub> 1100°C modules.

### Weld-Loc®<sub>2</sub> 1100°C Modules

The Weld-Loc attachment system is engineered for maximum design flexibility and high installation rates.

During installation, the special Weld-Loc stud assembly is fused to the furnace casing and a hex nut is torqued on the weld stud, drawing the module to the casing plate.

Advantages which are offered by the Weld-Loc attachment system include:

- High installation speed
- Ease and simplicity of installation
- Random placement of modules on the casing
- Positive torque test of the weld

### Available Insulfrax Anchor-Loc<sub>2</sub> 1100°C Modules

305 mm x 416 mm (12" x 16"), 305 mm x 305 mm (12" x 12")



### Thread Loc®<sub>2</sub> 1100°C Modules

To meet customer specifications or the special design requirements of furnace builders, refineries or petrochemical plants, Anchor-Loc<sub>2</sub> 1100°C modules are available with the prewelded Thread Loc<sub>2</sub> attachment system.

The Thread Loc<sub>2</sub> attachment system features a fully threaded weld stud and nut to permit block installation on a pre-engineered stud pattern. The Thread Loc<sub>2</sub> attachment system for Anchor-Loc<sub>2</sub> 1100°C modules offers several advantages:

- Compatibility with mastic coatings, backup insulation, and foil vapor barriers.
- Module design compensates for variations in stud placement.
- Access to the welded fastener for full testing before the module is installed.

Module Type	Temperature Grade <sup>1</sup>	Recommended Operating Temperature Limit <sup>2</sup>	Construction	Module Density
Insulfrax 1100°C	1260°C (2300°F)	1100°C (2012°F)	Edgegrain Insulfrax S Blanket	128kg/m <sup>3</sup> (8pcf) 160kg/m <sup>3</sup> (10pcf)

<sup>1</sup> Temperature Grade based on European Norm (EN 1094).

<sup>2</sup> The recommended operating temperature of Insulfrax products is determined by irreversible linear change criteria, not melting point.

Refer to the product Safety Data Sheet (SDS) for recommended work practices and other product safety information.

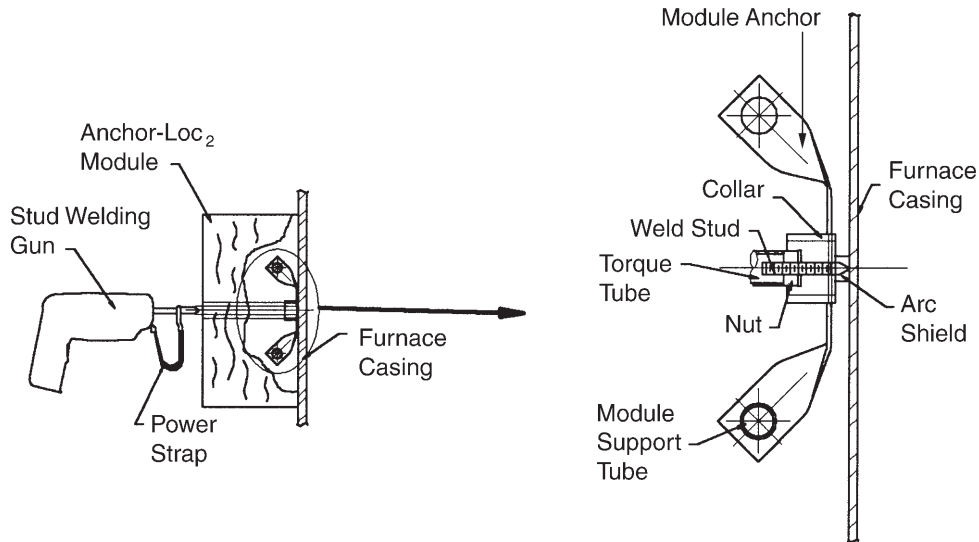
## Chemical Composition

### Chemical Composition (%)

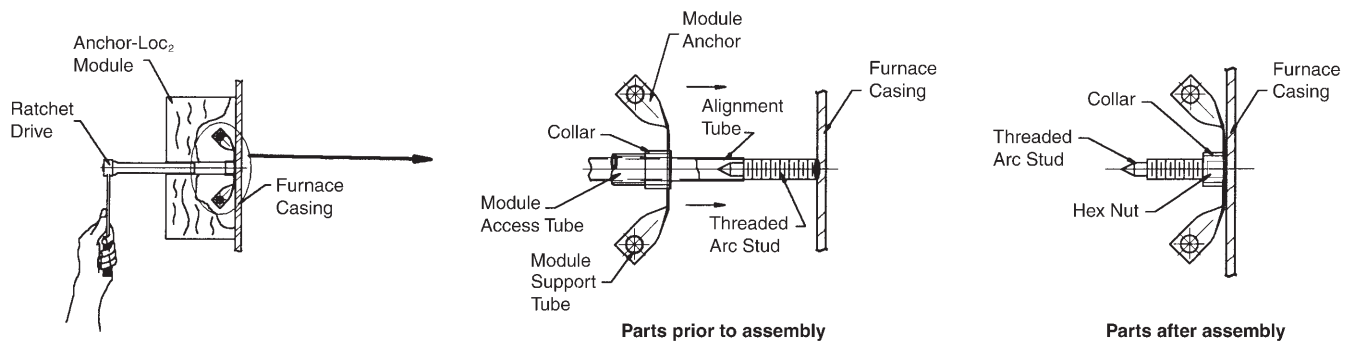
SiO <sub>2</sub>	61 to 67
CaO	27 to 33
MgO	2 to 7
Other	<1

## Available Attachment Option

### A. Weld-Loc®<sub>2</sub> Attachment System



### B. Thread Loc®<sub>2</sub> Attachment System



For additional information about product performance or to identify the recommended product for your application, please contact the Unifrax Application Engineering Group at 716-768-6460.

Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.