

ANCHOR-LOC₂ MODULES

Anchor-Loc[®]₂ ceramic fiber modules extend the successful performance of standard Anchor-Loc folded modules to a product form featuring laminated fiber 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-Loc₂ modules bonds layers of refractory ceramic fiber blankets into a strong pliable fiber block. A proprietary fiber treatment decreases fiber dusting and irritation while increasing block flexibility, making the module easy to compress into place. Modules are available in two temperature grades based on construction from Durablanket[®] 1400 and regular Durablanket. The availability of standard or high density blocks results in a product that meets a wide range of application needs.

In all Anchor-Loc₂ modules, Fibermass blocks are secured to the metallic module anchor with a pair of stainless steel support tubes.

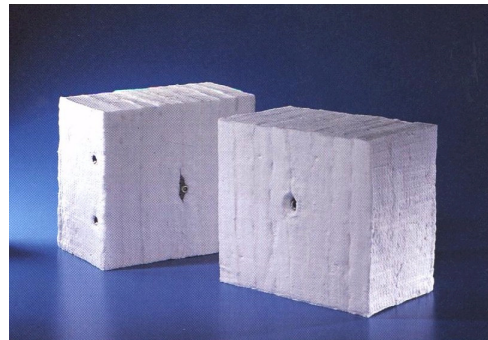
Weld-Loc[®]₂ Modules

The standard Anchor-Loc₂ modules are supplied with the 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 casting plate.

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

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



Thread Loc[®]₂ Modules

To meet customer specifications or the special design requirements of furnace builders, refineries or petrochemical plants, Anchor-Loc₂ modules are available on special order with the pre-welded Thread Loc[®]₂ attachment system. The Thread Loc₂ attachment system features a fully threaded weld stud and nut to permit block installation in a pre-engineered stud pattern. The Thread Loc₂ attachment system for Anchor-Loc₂ modules offer several advantages:

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

Power-Loc[®]₂ Modules

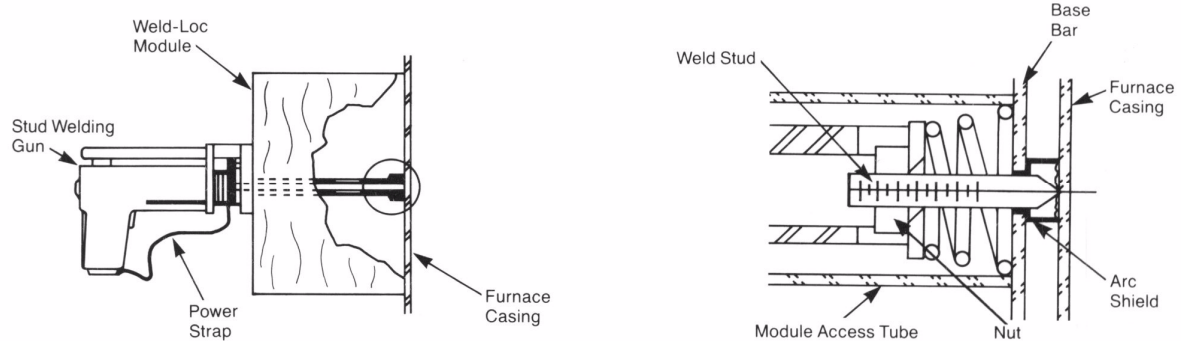
This reliable system provides the advantages of quick, reliable module installation with minimal installation equipment set-up in the MRO (maintenance, repair, and overhaul) market segment

A hardened steel pin mechanically secures each Power-Loc₂ module to the steel casing plate. The anchor pin is installed with a special Hilti[®] powder actuated fastening tool and powder booster. Advantages that are offered by the Power-Loc₂ modules include:

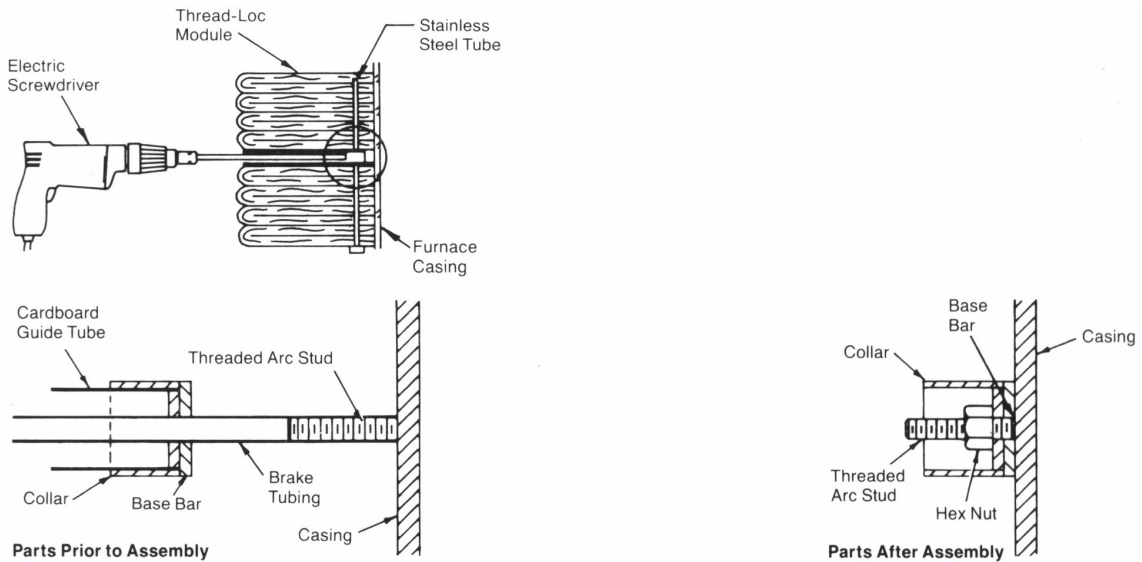
- High installation speed
- Casting preparation is eliminated
- Permits random placement of modules on the casing
- Ease and simplicity of installation
- Positive mechanical/attachment modules to the casing plate
- Setup time is reduced

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

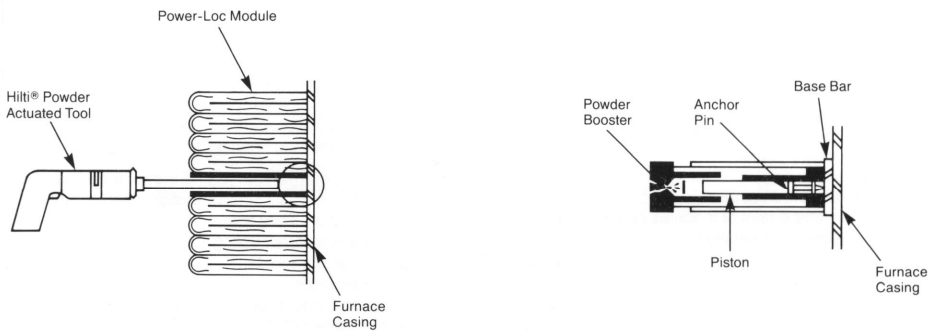
A. Weld-Loc[®]₂ Attachment System



B. Thread Loc₂ Attachment System



c. Power-Loc[®]₂ Attachment System



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Chemical Analysis

	Standard Anchor-Loc ₂	1400 Grade Anchor-Loc ₂
Al ₂ O ₃	43% - 47%	29% - 31%
SiO ₂	53% - 57%	53% - 55%
ZrO ₂	-	15% - 17%
Na ₂ O	<0.5%	-

Product Advantages

Anchor-Loc₂ modules offer the same advantages as other Fiberwall furnace lining when compared to refractory construction.

They are:

- Faster temperature cycling
- Lower heat storage
- Lower fuel costs
- Increased productivity
- Lower installed cost
- Easier repairs
- Resistance to thermal shock

Availability

Standard Anchor-Loc₂ modules are 305mm x 305mm x 305mm. Modules in different dimensions are available, subject to order. Standard Anchor-Loc₂ Modules are available in two density grades, 128 kg/m³ and 160 kg/m³. 1400 Grade Anchor-Loc₂ Modules are also available in two density grades, 160 kg/m³, and 192kg/m³.

Typical Product Properties

	Standard Anchor-Loc ₂	1400 Grade Anchor-Loc ₂
Temperature Grade	1260°C	1427°C
Rec. Operating Temperature	1149°C	1343°C

Applications

- Stress relieving furnaces
- Annealing furnaces
- Car bottom heat treating furnaces
- Reheat furnaces
- Furnace, kiln and boiler linings
- Incineration equipment and stack linings
- Soaking pit covers
- Ladle covers
- Ladle pre-heaters
- Forge furnaces

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