ALTRA® COMBI Fiber Modules

Economical Linings for Firing to 2850°F

ALTRA® COMBI fiber modules are designed for application temperatures up to 2850°F. **ALTRA®** polycrystalline fibers are used on the hot face of the module and offer significantly reduced thermal shrinkage compared to refractory ceramic fibers. The reduced shrinkage makes it possible to use **ALTRA®** modules at much higher temperatures than ceramic fiber modules. The polycrystalline structure of the **ALTRA®** fibers also prevents the generation of cristobalite.

ALTRA® modules are available in various fiber grades appropriate for oxidizing or reducing atmospheres. They are suitable for lining kilns and furnaces for sintering or firing technical ceramics, electronic ceramics, ferrites, powder metal parts, carbon fibers and other products requiring firing temperatures > 1300°C. Traditionally insulating brick linings are used in these types of kilns and furnaces. **ALTRA®** modules allow more rapid heating and cooling than brick linings, thus reducing cycle time and increasing kiln through-put. **ALTRA®** modules are not damaged by thermal shock and so can offer longer life and reduced maintenance versus brick linings in applications with rapid thermal cycling conditions.

GRADES
ALTRA 72 – for application temperatures up to 3000°F in oxidizing and neutral atmospheres
ALTRA 97 – for reducing atmosphere applications, such as dry hydrogen and vacuum, to 2750°F

Densities
6 to 10 lbs/ft3

Sizes
All sizes and thicknesses

Anchors
RA-25, one shot, Rath designed comb anchors Type SKA50

Options
Available unmounted or mounted on Steel Panels or expanded metal
Hardboard or galvanized steel Compression plates

Available from Keith Company, 8323 Loch Lomond Drive, Pico Rivera, California 90660
Phone: 800-545-4567 / 562-948-3636 - FAX: 562-949-3696 - Web: www.KeithCompany.com