

**MAFTEC®** - Mitsubishi Alumina Fiber Technology. **MAFTEC®** was developed in the 1980's by Mitsubishi Plastics Inc. for long term high or cyclic temperature operation. **MAFTEC®** "Polycrystalline Alumina Fibers" exhibit excellent thermal stability, resiliency, erosion resistance and mechanical strength at temperatures to 1600°C - 2912°F.

### MAFTEC® FURNACE LININGS

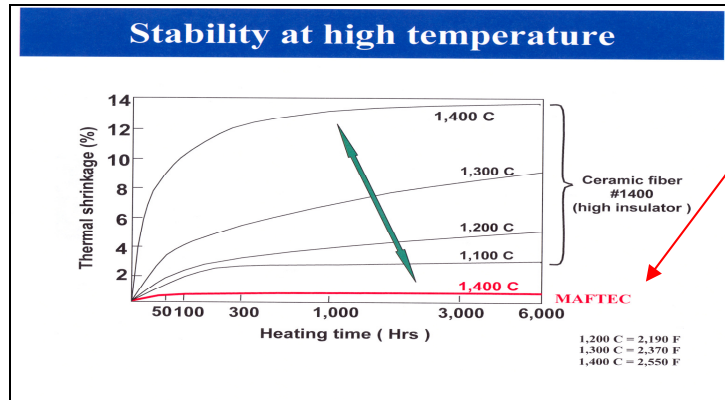
**MAFTEC®** Mullite fiber is completely different from ceramic fiber products. From the manufacturing process that produces higher tensile strength fibers and absolute minimal shot content to its performance in heat intensive applications to 2912°F (1600°C)

Shrinkage concerns are eliminated. Packing opened modules joints is eliminated. Lining degradation through heat exposure increasing heat loss and higher operating costs is eliminated.

**MAFTEC®** offers extraordinary solutions to ordinary operating problems.

Everyone talks quality and value to compete in world markets. **MAFTEC®** eliminates lip service and just performs, performs, performs!!!

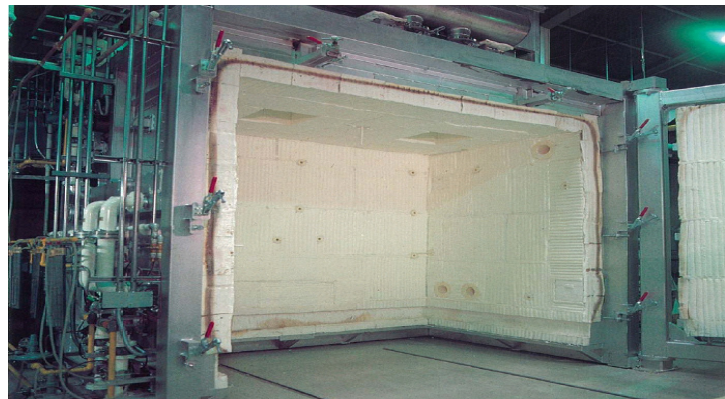
**MAFTEC®** is a mullite fiber. Mullite is a stable material that does not change molecularly through the temperature range, up until it melts (1850°C). The silica in **MAFTEC®** is contained within the structure of Mullite and is not allowed to form free silica. **MAFTEC®** fiber diameter averages 5 microns.



1% Shrinkage at 1400°C (2552°F)



Custom Size Modules



High Temperature Ceramic Kiln

### INDUSTRIES SERVED

- |                            |                    |                        |                           |
|----------------------------|--------------------|------------------------|---------------------------|
| ☞ Refining - Petrochemical | ☞ Non-Ferrous      | ☞ Zinc                 | ☞ Precast Manufacturing   |
| ☞ Rock Products            | ☞ Die-Casting      | ☞ Boiler Manufacturing | ☞ Mineral Processing      |
| ☞ Chemical                 | ☞ Power Generation | ☞ Primary Aluminum     | ☞ O.E.M. Furnace Builders |
| ☞ Steel                    | ☞ Incineration     | ☞ Secondary Aluminum   | ☞ Cremation               |