**DELTA t CRETE 26-M**  
**LIGHTWEIGHT, HIGH STRENGTH FIRECLAY CASTABLE**

## PHYSICAL PROPERTIES
- **Maximum Service Temperature**: 2600°F  
- **ASTM C-401**: Class R  
- **Lbs. Required Dry Mix per Cu. Ft.**: 78 lbs.  
- **% Water by Weight Required for Casting**: Approx. 30%  
- **Bulk Density After Drying at 230°F**: 81 lbs./cu.ft.  
- **MOR After Drying at 230°F**: 260 – 370 psi  
  
### Cold Crushing Strength
- **After Drying at 230°F**: 780 – 1110 psi  
- **After Firing at 1500°F**: 400 – 700 psi  

### Permanent Linear Change
- **After Drying at 230°F**: Negligible  
- **After Heating to 1500°F**: 0.0 to -0.5%  
- **After Heating to 2500°F**: 0.0 to -0.9%

## CHEMICAL ANALYSIS
- **Silica** \([\text{SiO}_2]\): 43.3%  
- **Alumina** \([\text{Al}_2\text{O}_3]\): 44.1%  
- **Iron Oxide** \([\text{Fe}_2\text{O}_3]\): 1.6%  
- **Lime** \([\text{CaO}]\): 7.9%

## THERMAL CONDUCTIVITY BTU/SQ.FT./HR./°F/IN.
- **At 500°F**: 2.4  
- **At 1500°F**: 2.6  
- **At 2000°F**: 3.0

**NOTE:** All data subject to reasonable deviation and should not be used for specification purposes.