



## Fedmore 70P

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**DESCRIPTION:** High alumina, phosphate-bonded mortar that has excellent slag resistance and superior strength.

**USES INCLUDE:** Ladle slide gate assemblies.  
Aluminum.  
Furnace bottom.  
Soaking pit slag lines.  
Tundish linings.  
Steel ladles.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

|                                |       |
|--------------------------------|-------|
| Al <sub>2</sub> O <sub>3</sub> | 69.5% |
| SiO <sub>2</sub>               | 25.3% |
| P <sub>2</sub> O <sub>5</sub>  | 4.54% |
| Alkalies                       | 0.31% |
| Fe <sub>2</sub> O <sub>3</sub> | 0.25% |
| TiO <sub>2</sub>               | 0.01% |

### TYPICAL AS RECEIVED PROPERTIES:

|                          |             |
|--------------------------|-------------|
| Material required (lbs): |             |
| per 1000 brick           | 200 ~ 300   |
| MOR (psi):               |             |
| 220° F                   | 1000 - 1200 |
| 2000° F                  | 650 - 850   |
| 2550° F                  | 750 - 1100  |
| 2910° F                  | 1100 - 1200 |
| Softening Point (° F):   | 3150        |

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally and as a function of size and shape. This form is not intended to be used for purposes of specification; it is informational only.

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