



PRE-MIXED AIR SETTING MORTAR FOR USE UP TO 3000° F

# POWER PLANT J-3000



Power Plant J-3000 is an air setting refractory mortar designed for use with ceramic blankets, felts, blocks and refractory brick. This extremely workable product was specifically developed for use in high temperature conditions. The chemical development of the alumina silica base minerals create this superior mortar which features excellent stability and adhesive workability in applications where temperatures exceed 3000° F.

## PRODUCT SPECIFICATIONS

### TECHNICAL DATA

Steady operating temperature use - 3100° F  
Pier test @ 3000° F - No flow or deformation of joint

### MODULUS OF RUPTURE AS PER ASTM C198-47

220° F 700 psi, CSTD specs 200 psi, Min. per ASTM C-69  
1500° F 100 psi.  
2730° F 800 psi.  
3000° F Exceeds 3200 psi.(joint stronger than brick)

### LAP JOINT STRENGTH PER ASTM C-606-70\*

220° F 210 lbs. (std. specs. 75 lbs. min.)  
1500° F 130 lbs. (std. specs. 75 lbs. min.)  
2000° F 125 lbs. (std. specs. 75 lbs. min.)  
2500° F Exceeds 60 lbs. (std. specs. 75 lbs. min.)

\* EXCEEDS RIGID ASTM SPECIFICATIONS FOR AIR SETTING MORTARS

### APPROXIMATE COVERAGE

Based on 1000 nine inch straights (9 X 4 1/2 X 2 1/2) laid with dipped or thinly troweled joints - 450 lbs.

### ALUMINA CONTENT

Approximately 42%

### PACKAGING INFORMATION

50 lb. plastic pail  
100 lb. metal drum  
200 lb. metal drum



- **Ready to Use** - Comes ready mixed to the proper consistency.
- **Ideal for Troweling** - Readily workable and trowels perfectly.
- **Unsurpassed Bonding Strength** - Joint stronger than brick.
- **High Refractories** - Exceeds rigid ASTM specifications for air setting mortars.

### PARTIAL USES

- Laying of refractory brick
- Laying alumina brick in ladles
- Cementing stopper rods and heads
- Patching inside boiler insulation
- Veneering existing boiler facings and linings