



RENO REFRACTORIES, INC

ACIPCO BOTTOM RAM

TECHNICAL DATA SHEET

**ACIPCO BOTTOM RAM** is a high alumina, air setting, non-wetting, ramming mix containing graphite. It has been designed to withstand the corrosive effects of molten iron and slag, particularly for blast furnaces and high production cupolas and their accessories.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 175 lbs./cu. ft.

**TYPICAL CHEMICAL ANALYSIS** (Reducing Conditions)

| Al <sub>2</sub> O <sub>3</sub> | SiO <sub>2</sub> | Fe <sub>2</sub> O <sub>3</sub> | TiO <sub>2</sub> | MgO | CaO | C    | Alkalies | Other |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|------|----------|-------|
| 70.6                           | 8.9              | 1.0                            | 1.8              | 0.1 | 0.3 | 11.0 | 0.4      | 4.9   |

**TYPICAL PHYSICAL PROPERTIES** (Reducing conditions above 250°F)

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|----------------|-------------------------|-----------------------------|-----------------|
| 250            | 750                     | 1,200                       | -0.3            |
| 1500           | 410                     | 1,450                       | -0.3            |
| 2000           | 480                     | 1,780                       | -0.1            |
| 2500           | 1,150                   | 3,790                       | Nil             |

**PACKAGING:** 2500 lb. Bags, 1 per Pallet (2,500 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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