

## **Paragon® MC 20A**

### **Synthetic Dolomite**

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**DESCRIPTION:**

Paragon® MC20A is a synthetic dolomite brick produced from high quality natural magnesia sinter, calcia-enriched to give the product physical attributes that accommodate excellent coating stability, flexibility and the ability to withstand thermal spalling. The added magnesia enables MC 20A to better withstand spalling due to loss of coating, giving the product added operating life.

**USES INCLUDE:**

Steel ladle slaglines  
Burning zones of rotary cement kilns

**CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)**

(approximate % - calcined basis)

MgO	> 70 %
CaO	18 -22%
SiO <sub>2</sub>	< 1 %
Fe <sub>2</sub> O <sub>3</sub>	< 1%
Al <sub>2</sub> O <sub>3</sub>	< 1%

**TYPICAL AS RECEIVED PROPERTIES:**

Bulk Density- original, pcf(g/cc)	198 (3.17)
Refractoriness under load, °F(°C)	3100 (1700)
Cold Crushing Strength, psi (MPa)	8000 (55)
Apparent Porosity, % (before wax)	8%

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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