

## Paragon<sup>®</sup> MCa30Z

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**DESCRIPTION:**

Paragon<sup>®</sup> MCa30Z is a synthetic dolomite brick produced from high quality natural magnesite sinter, calcia-enriched to give the product physical attributes that accommodate excellent coating stability, flexibility and the ability to withstand thermal spalling. The added magnesite enables MCa30Z 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 %)	
MgO	60-65 %
CaO	28-30 %
SiO <sub>2</sub>	≤ 3.0 %
Fe <sub>2</sub> O <sub>3</sub>	≤ 3.0 %
Al <sub>2</sub> O <sub>3</sub>	≤ 3.0 %
Zr <sub>2</sub> O <sub>3</sub>	≤ 3.0 %

**TYPICAL AS RECEIVED PROPERTIES:**

Bulk Density, g/cm <sup>3</sup>	≥ 2.97
Cold Crushing Strength, MPa	> 80
Apparent Porosity, %	< 13.1 %

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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