



Paragon MC 20A

Synthetic Dolomite

DESCRIPTION: 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 it to better withstand spalling due to loss of coating, giving the product added operating life. After firing, it is wax-impregnated to add shelf life by eliminating hydration caused by atmospheric conditions.

USES INCLUDE: Steel ladle slag lines.
Burning zones of rotary cement kilns.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

MgO	> 70.0%
CaO	18.0 - 22.0%
Al ₂ O ₃	< 1.0%
Fe ₂ O ₃	< 1.0%
SiO ₂	< 1.0%

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%) before wax:	8.0
Bulk Density, original pcf (g/cc):	198 (3.17)
Cold Crushing Strength psi (MPa):	8000 (55)
Refractoriness Under Load °C (°F):	1700 (3100)

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.

Version 20.11
