



Paragon MC 20A

Synthetic Dolomite

DESCRIPTION: Paragon® MC20A 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 MC 20A to better withstand spalling due to loss of coating, giving the product added operating life. After firing, MC 20A is wax impregnated to add shelf life by eliminating hydration caused by atmospheric conditions.

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 ₂	< 1 %
Fe ₂ O ₃	< 1 %
Al ₂ O ₃	< 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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