



Paragon® RD3C

DESCRIPTION: Paragon® RD series brick is carbon-bonded synthetic dolomite brick for steelmaking applications like ladles. The synthetic nature of the grain in the brick equates to uniformity, consistency, and high performance. The resin binder affords thermal shock resistance and high hot strength. Brick is available with graphite additions for increased modulus of elasticity.

USES INCLUDE: Ladle working linings.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % by weight)

MgO	63.6%
CaO	29.0%
Residual Carbon	5.0%
Fe ₂ O ₃	1.1%
SiO ₂	0.9%
Al ₂ O ₃	0.4%

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	4.0
Bulk Density, original (g/cm ³):	2.95
Cold Crushing Strength (MPa):	55

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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