

## Paragon RD

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**DESCRIPTION:** Paragon RD series brick are 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 are available with graphite additions for increased modulus of elasticity.

**USES INCLUDE:** Ladle working linings

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

|                                |       |
|--------------------------------|-------|
| MgO                            | 40 %  |
| CaO                            | 60 %  |
| SiO <sub>2</sub>               | 0.5 % |
| Fe <sub>2</sub> O <sub>3</sub> | 0.6 % |
| Residual carbon                | 2.2 % |

### TYPICAL AS RECEIVED PROPERTIES:

|  |      |
|--|------|
| Apparent Porosity, %                     | 4    |
| Bulk Density g/cm <sup>3</sup>           | 2.87 |
| Cold Crushing Strength n/mm <sup>2</sup> | 100  |

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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