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| MATERIAL CODE NUMBER | RDB- MD |
| CLASSIFICATION | ASTM C-27 ---- medium-duty brick |
| SERVICE REQUIREMENTS | A medium-duty quality brick |
| METHOD OF MANUFACTURE | Dry-press |
| QC TESTING FREQUENCY | |

| PROPERTY | ASTM DESIGNATION | SPECIFICATION VALUE |
|---|-------------------------------------|----------------------------|
| PCE | | 29 |
| Density lbs/ft ³ | C-20 | 129 -133 |
| Modulus of Rupture - psi | C-133 | 1000 – 1300 |
| Reheat Test - at 2900°F - % | C-113 | |
| Cold Crushing Strength* - psi | C-133 | 3500 to 4500 |
| Apparent Porosity - % | C-20 | 16 - 19 |
| Thermal Cond. @ 815° mean temperature. K: Btu in/(h-ft ² °F) - | C-201 and C417, Ascending Curve Max | |
| Chemistry (Composition %) | | |
| Al ₂ O ₃ | | 32.9 |
| Fe ₂ O ₃ | | 2.0 |
| Si ₂ O ₃ | | 59.9 |
| TiO ₂ | | 1.5 |
| CaO | | .6 |
| MgO | | .9 |
| Alkalies | | 2.2 |