

<b>MATERIAL CODE NUMBER</b>	<b>RDB-SD60</b>
<b>CLASSIFICATION</b>	<b>ASTM C-27 ---- high alumina brick, severe duty brick</b>
<b>SERVICE REQUIREMENTS</b>	<b>An erosion resistant brick for circulating fluid bed boiler cyclone barrels and cones.</b>
<b>METHOD OF MANUFACTURE</b>	<b>Dry-press</b>
<b>QC TESTING FREQUENCY</b>	

<b>PROPERTY</b>	<b>ASTM DESIGNATION</b>	<b>SPECIFICATION VALUE</b>
Manufacturer's Use Limit Temp. - °F		2800
Density lbs/ft <sup>3</sup>	C-20	135 -145
Modulus of Rupture - psi	C-133	
Reheat Test - at 2900°F - %	C-113	+/- 0.05
Cold Crushing Strength* - psi	C-133	7000 min.
Apparent Porosity - %	C-20	<12
Abrasion Resistance – (cc loss)	C-704	12.0 max.
Chemistry (Composition %)		
Al <sub>2</sub> O <sub>3</sub>		45.0
Fe <sub>2</sub> O <sub>3</sub>		1.5
Si <sub>2</sub> O <sub>3</sub>		55.0