



# Technical Data

## DURATAB CA

<b>FEATURES</b>	A burned phosphate-bonded high alumina chrome brick.																													
<b>PHYSICAL PROPERTIES (ASTM procedures used where applicable)</b>	P.C.E. (ASTM C-24)	41																												
		<u>lb/ft<sup>3</sup></u>	<u>kg/m<sup>3</sup></u>																											
	Bulk Density (ASTM C-134)	200	3204																											
	Apparent Porosity, % (ASTM C-830)	15.5																												
		<u>lb/in<sup>2</sup></u>	<u>N/mm<sup>2</sup></u>																											
	Modulus of Rupture: At Room Temperature	5460	37.6																											
	Cold Crushing Strength, (ASTM C-133) At Room Temperature	14,000	96.5																											
Deformation Under Load, (ASTM C-16, 2850 °F)	0.1																													
Reheat, % (ASTM C-113) (5 hrs at 3000 °F)																														
<b>CHEMICAL ANALYSIS (Calcined Basis)</b>	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%; text-align: right;">Al<sub>2</sub>O<sub>3</sub> .....</td><td style="width: 20%;"></td><td style="width: 30%; text-align: right;">87.6%</td></tr> <tr><td style="text-align: right;">SiO<sub>2</sub> .....</td><td></td><td style="text-align: right;">0.2</td></tr> <tr><td style="text-align: right;">Fe<sub>2</sub>O<sub>3</sub> .....</td><td></td><td style="text-align: right;">0.2</td></tr> <tr><td style="text-align: right;">TiO<sub>2</sub> .....</td><td></td><td style="text-align: right;">0.3</td></tr> <tr><td style="text-align: right;">CaO .....</td><td></td><td style="text-align: right;">0.2</td></tr> <tr><td style="text-align: right;">MgO .....</td><td></td><td style="text-align: right;">0.3</td></tr> <tr><td style="text-align: right;">Alkalies .....</td><td></td><td style="text-align: right;">0.2</td></tr> <tr><td style="text-align: right;">Cr<sub>2</sub>O<sub>3</sub> .....</td><td></td><td style="text-align: right;">10.0</td></tr> <tr><td style="text-align: right;">P<sub>2</sub>O<sub>5</sub> .....</td><td></td><td style="text-align: right;">1.0</td></tr> </table>			Al <sub>2</sub> O <sub>3</sub> .....		87.6%	SiO <sub>2</sub> .....		0.2	Fe <sub>2</sub> O <sub>3</sub> .....		0.2	TiO <sub>2</sub> .....		0.3	CaO .....		0.2	MgO .....		0.3	Alkalies .....		0.2	Cr <sub>2</sub> O <sub>3</sub> .....		10.0	P <sub>2</sub> O <sub>5</sub> .....		1.0
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<p>The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.</p> <p>RESOCO PRODUCTS disclaims any express or implied warranties based on this sheet.</p> <p>02/05/08 is the date that this data sheet was updated. Check with your RESOCO sales representative or RESOCO website to determine you have the current sheet</p>																														