

## RESCOCAST 1300G

RESCOCAST 1300G IS A GENERAL DUTY HYDRAULICALLY BONDED CASTABLE FOR TEMPERATURES UP TO 1300°C. TYPICAL USES INCLUDE KILN FLOORS, HEAT TREATMENT BOGIES AND STACK LININGS. ALSO AVAILABLE IN CASTING GRADE.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1300°C)

BULK DENSITY

@ 110°C	116 - 121	LBS/FT <sup>3</sup>	1858 - 1938	KG/M <sup>3</sup>
@ 815°C	110 - 115	LBS/FT <sup>3</sup>	1762 - 1842	KG/M <sup>3</sup>
@ M.S.T.	115 - 120	LBS/FT <sup>3</sup>	1842 - 1922	KG/M <sup>3</sup>

COLD CRUSHING STRENGTH

@ 110°C	1800 - 2500	P.S.I.	124 - 172	KG/CM <sup>2</sup>
@ 815°C	1600 - 2000	P.S.I.	110 - 138	KG/CM <sup>2</sup>
@ M.S.T.	1800 - 1800	P.S.I.	124 - 172	KG/CM <sup>2</sup>

COLD MODULUS OF RUPTURE

@ 110°C	400 - 600	P.S.I.	28 - 41	KG/CM <sup>2</sup>
@ 815°C	375 - 550	P.S.I.	26 - 38	KG/CM <sup>2</sup>

PERMANENT LINEAR CHANGE

@ 815°C 0.00 TO - 0.30 % MAX

TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	6.0	0.86
@ 815°C	6.5	0.93
@ 1095°C	7.0	1.00

TYPICAL CHEMICAL ANALYSIS (%)

AL <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	AlK
36.5	49.1	5.2	5.7	0.7	1.9	0.5

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet