



## EXTREME SERVICE CASTABLES

PRODUCT DATA

### RESCOCAST 17E(HP)

**RESCOCAST 17E(HP) REFRACTORY WAS DESIGNED SPECIFICALLY FOR HANDPACKING PLACEMENT. IT IS USED IN APPLICATIONS WHERE IT IS NOT PRACTICAL TO INSTALL THE MATERIAL BY NORMAL CASTING OR GUNNING TECHNIQUES. TYPICALLY IT WOULD BE USED HANDPACKING INSTALLATIONS SUCH AS FIELD JOINTS OR APPLICATIONS USING HEX-STEEL TYPE ANCHORAGE SYSTEMS.**

**MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1510°C)**

**BULK DENSITY**

After 110°C	133 - 140	LBS/FT <sup>3</sup>	2130 - 2247	KG/M <sup>3</sup>
After 815°C	126 - 134	LBS/FT <sup>3</sup>	2018 - 2146	KG/M <sup>3</sup>

**COLD CRUSHING STRENGTH**

After 815°C	7000 - 11000	P.S.I.	490 - 770	KG/CM <sup>2</sup>
-------------	--------------	--------	-----------	--------------------

**COLD MODULUS OF RUPTURE**

After 815°C	1300 - 1800	P.S.I.	91 - 126	KG/CM <sup>2</sup>
-------------	-------------	--------	----------	--------------------

**PERMANENT LINEAR CHANGE**

After 815°C	- 0.10 TO - 0.30 %
-------------	--------------------

**EROSION LOSS (ASTM C-704) LESS THAN 12.0 CC**

**CONDUCTIVITY OR "K" FACTOR**

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	6.8	0.95
@ 815°C	6.9	0.97
@ 1095°C	7.7	1.08

**TYPICAL CHEMICAL ANALYSIS (%)**

<b>AL<sub>2</sub>O<sub>3</sub></b>	<b>SiO<sub>2</sub></b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>CaO</b>	<b>MgO</b>	<b>TiO<sub>2</sub></b>	<b>AlK</b>
<b>55.6</b>	<b>36.7</b>	<b>0.7</b>	<b>5.5</b>	<b>0.2</b>	<b>1.0</b>	<b>0.3</b>

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

