

## PACOCAST 28LI

*PACOCAST 28LI combines the qualities a Pyrophyllite/Andalusite mineral based composition with excellent gunning characteristics. Due to minimum rebound losses, normal material requirements for gunite applications have been cut by as much as 25 percent. The product can be gunned without pre-wetting. It's low iron content makes it ideal for higher temperatures and reducing atmospheres. Data shown are average results of tests following the guidelines set forth in ASTM C-903-70 "Preparing Refractory Concrete Specimens by Cold Gunning".*

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** (1540°C)

**BULK DENSITY**

@ 110°C	130 - 140	LBS/FT <sup>3</sup>	2080 - 2240	KG/M <sup>3</sup>
@ 815°C	120 - 130	LBS/FT <sup>3</sup>	1920 - 2080	KG/M <sup>3</sup>

**COLD CRUSHING STRENGTH**

@ 815°C	2000 - 3000	P.S.I.	140 - 210	KG/CM <sup>2</sup>
@ 1370°C	2000 - 3000	P.S.I.	145 - 210	KG/CM <sup>2</sup>
@ 1510°C	5000 - 7000	P.S.I.	350 - 490	KG/CM <sup>2</sup>

**COLD MODULUS OF RUPTURE**

@ 815°C	400 - 800	P.S.I.	28 - 56	KG/CM <sup>2</sup>
@ 1370°C	700 - 1000	P.S.I.	50 - 70	KG/CM <sup>2</sup>
@ 1510°C	1000 - 1500	P.S.I.	70 - 105	KG/CM <sup>2</sup>

**PERMANENT LINEAR CHANGE**

@ 1095°C	- 0.10 TO + 0.20 %
@ 1370°C	0.00 TO + 0.40 %

**CONDUCTIVITY OR "K" FACTOR**

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	4.60	0.66
@ 815°C	4.85	0.70
@ 1095°C	5.35	0.77

**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
43.0	48.8	1.0	5.7	Tr	1.4	0.1

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