

# Insulating Castables



## RESCOCAST 3PC

RESCOCAST 3PC IS A HIGH PERFORMANCE INSULATING CASTABLE DESIGNED FOR INSTALLATION BY PUMPCASTING OR SHOTCRETING.

**MAXIMUM SERVICE TEMPERATURE**      1315°C

### METRIC UNITS

PROPERTY	TEMP	PUMPED DATA		SHOTCRETED DATA		UNITS
		RANGE	TYPICAL	RANGE	TYPICAL	
Mixing Water		28 - 32	30	28 - 32	30	%
Bulk Density	110 °C	990 - 1150	1060	1280 - 1440	1345	Kg/m <sup>3</sup>
	815 °C	900 - 1060	960	1120 - 1280	1220	Kg/m <sup>3</sup>
Cold Crushing Strength	110 °C	48 - 69	62	90 - 124	117	Kg/cm <sup>2</sup>
	815 °C	41 - 62	52	69 - 97	83	Kg/cm <sup>2</sup>
Modulus Of Rupture	815 °C	7 - 14	10.5	14 - 21	17	Kg/cm <sup>2</sup>
Permanent Linear Change	110 - 815 °C	-0.2 to -0.6	-0.3	-0.2 to -0.6	-0.3	%
Porosity	815 °C	48 - 52	50	43 - 47	45	%
Conductivity or "K" factor	260 °C		0.24		0.26	W/mK
	540 °C		0.23		0.27	W/mK
	815 °C		0.25		0.33	W/mK

### ASTM C401 Class P

### 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>	Alkalies
35.4	39.4	6.8	12.3	1.1	1.8	2.2

**STANDARD PACKAGING**      40-25Kg bags per pallet

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

