

RESCOCAST 8

RESCOCAST 8 IS A MEDIUM WEIGHT HEAT INSULATING CASTABLE WITH A SERVICE LIMIT TEMPERATURE OF 1540°C. RESCOCAST 8 HAS BEEN SUCCESSFULLY USED IN FCC VESSELS AND ITS LOW IRON CONTENT MAKES IT SUITABLE FOR MOST FURNACE ATMOSPHERES INCLUDING CO BOILERS. RESCOCAST 8 IS A MULTIPURPOSE PRODUCT WHICH CAN BE CAST OR GUNNED FROM THE SAME BAG.

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

BULK DENSITY

@ 110°C	93 - 100	LBS/FT ³	1489 - 1602	KG/M ³
@ 815°C	86 - 93	LBS/FT ³	1378 - 1490	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	500 - 1400	P.S.I.	35 - 98	KG/CM ²
@ M.S.T.	1200 - 1800	P.S.I.	84 - 126	KG/CM ²

COLD MODULUS OF RUPTURE

@ 815°C	100 - 300	P.S.I.	7 - 21	KG/CM ²
@ 1095°C	200 - 300	P.S.I.	14 - 21	KG/CM ²
@ M.S.T.	300 - 500	P.S.I.	21 - 35	KG/CM ²

PERMANENT LINEAR CHANGE

@ Green to 110°C	0.0 TO - 0.1 %
@ 110°C to 815°C	0.0 TO - 0.3 %
@ 110°C to M.S.T.	- 1.0 TO - 1.5 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
@ 540°C (1000°F)	3.8	0.55
@ 815°C (1500°F)	3.3	0.48
@ 1095°C (2000°F)	3.6	0.52

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
46.0	43.5	0.8	6.5	0.3	0.8	1.2

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

GUNNED DATA ON PAGE 2



RESCOCAST 8

RESCOCAST 8 CAN BE READILY APPLIED BY GUNITE APPLICATION. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDE LINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMEN'S BY COLD GUNNING".

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

BULK DENSITY

@ 815°C	95 - 105	LBS/FT ³	1520 - 1680	KG/M ³
---------	----------	---------------------	-------------	-------------------

COLD CRUSHING STRENGTH

@ 815°C	900 - 1800	P.S.I.	63 - 126	KG/CM ²
@ M.S.T.	1000 - 1800	P.S.I.	70 - 126	KG/CM ²

COLD MODULUS OF RUPTURE

@ 815°C	200 - 350	P.S.I.	14 - 24	KG/CM ²
@ M.S.T.	300 - 500	P.S.I.	21 - 35	KG/CM ²

PERMANENT LINEAR CHANGE

@ Green to 110°C	0.0 TO - 0.1 %
@ 110°C to 815°C	0.0 TO - 0.3 %
@ 110°C to M.S.T.	- 1.0 TO - 1.5 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	4.2	0.61
@ 540°C (1000°F)	3.9	0.57
@ 815°C (1500°F)	4.1	0.60

PACKAGING 25 KG BAGS

POROSITY 40 PERCENT @ 1000°F (540°C) (CAST)
40 PERCENT @ 1000°F (540°C) (GUNITED)

ASTM CLASS C-401 CLASSIFICATION "Q"