

RESCOCAST 3B

RESCOCAST 3B IS A 50 LB PER CUBIC FOOT INSULATING MATERIAL THAT IS EASILY PLACED BY TROWELLING, CASTING OR GUNNING. THIS EASE OF APPLICATION COMBINED WITH ITS GOOD INSULATING VALUES MAKES THIS PRODUCT AN IDEAL CHOICE FOR HEATERS, DUCTS AND OTHER RELATED COMPONENTS.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1095°C)

BULK DENSITY

After 110°C	52 - 58	LBS/FT ³	833 - 929	KG/M ³
After 815°C	45 - 51	LBS/FT ³	712 - 817	KG/M ³

COLD CRUSHING STRENGTH

After 815°C	175 - 275	P.S.I.	12 - 19	KG/CM ²
After 1095°C	175 - 275	P.S.I.	12 - 19	KG/CM ²

COLD MODULUS OF RUPTURE

After 815°C	100 - 150	P.S.I.	7 - 11	KG/CM ²
After 1095°C	100 - 150	P.S.I.	7 - 11	KG/CM ²

PERMANENT LINEAR CHANGE

After 815°C	- 0.40 TO - 0.80 %
After 1095°C	- 0.90 TO - 1.50 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	1.10	0.16
@ 540°C (1000°F)	1.25	0.18
@ 815°C (1500°F)	1.55	0.22

TYPICAL CHEMICAL ANALYSIS (%)

AL₂O₃	SiO₂	Fe₂O₃	CaO	MgO	TiO₂	AlK
32.7	30.2	9.2	20.7	2.5	2.7	1.9

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

RESCOCAST 3B

RESCOCAST 3B CAN ALSO 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.) (1095°C)

BULK DENSITY

After 815°C 55 - 65 LBS/FT³ 880 - 1040 KG/M³

COLD CRUSHING STRENGTH

After 815°C 200 - 400 P.S.I. 14 - 28 KG/CM²
After 1095°C 100 - 300 P.S.I. 7 - 21 KG/CM²

COLD MODULUS OF RUPTURE

After 815°C 100 - 150 P.S.I. 7 - 11 KG/CM²
After 1095°C 100 - 150 P.S.I. 7 - 11 KG/CM²

PERMANENT LINEAR CHANGE

After 540°C - 0.50 TO - 1.00 %
After 1095°C - 0.80 TO - 1.80 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	1.10	0.16
@ 540°C (1000°F)	1.25	0.18
@ 815°C (1500°F)	1.55	0.22

POROSITY 55 PERCENT @ 1000°F (540°C) (CAST)
53 PERCENT @ 1000°F (540°C) (GUNITED)

ASTM CLASS C-401 CLASSIFICATION "P"