

RESCOCAST 3B XLI

*RESCOCAST 3B XLI is a Lightweight Insulation castable with extremely low Iron content. It is suitable for reducing atmospheres such as Methane, Hydrogen and Carbon Monoxide.
Typical Cast Data:*

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1300°C)

BULK DENSITY

After 110°C	55 - 63	LBS/FT ³	880 - 1010	KG/M ³
After 815°C	47 - 55	LBS/FT ³	750 - 880	KG/M ³

COLD CRUSHING STRENGTH

After 815°C	300 - 600	P.S.I.	21 - 42	KG/CM ²
After 1300°C.	400 - 650	P.S.I.	28 - 45	KG/CM ²

COLD MODULUS OF RUPTURE

After 815°C	100 - 200	P.S.I.	7 - 14	KG/CM ²
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PERMANENT LINEAR CHANGE

110 to 815°C - 0.40 TO - 0.80 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	1.25	0.18
@ 540°C (1000°F)	1.39	0.20
@ 815°C (1500°F)	1.66	0.24

TYPICAL CHEMICAL ANALYSIS (%)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	AlK
51.5	33.3	0.4	9.7	0.2	0.1	4.1

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