

Insulating Castables

QUIKLITE 3BLI

QUIKLITE 3BLI IS A 1400°C LOW IRON INSULATING MATERIAL DESIGNED FOR INSTALLATION BY CASTING OR GUNNING. IT IS FORMULATED FOR RAPID HEATUP WITHOUT USING THE TRADITIONAL RAMP AND HOLD HEATING SCHEDULE.

MAXIMUM SERVICE TEMPERATURE 1400°C

METRIC UNITS

PROPERTY	TEMP	CAST DATA		GUNNED DATA		UNITS
		RANGE	TYPICAL	RANGE	TYPICAL	
Bulk Density	110 °C	750 - 915	830	995 - 1155	1070	Kg/m ³
	815 °C	670 - 830	750	865 - 1025	945	Kg/m ³
	1400 °C	640 - 800	720	850 - 1010	930	Kg/m ³
Cold Crushing Strength	110 °C	28 - 41	38	34 - 48	45	Kg/cm ²
	815 °C	21 - 34	31	28 - 41	38	Kg/cm ²
	1400 °C	28 - 41	38	34 - 48	45	Kg/cm ²
Modulus Of Rupture	815 °C	7 - 10	8	7 - 10	8	Kg/cm ²
Permanent Linear Change	110 - 815 °C	-0.4 to -0.8	-0.6	-0.4 to -0.8	-0.6	%
	110 - 1400 °C	+0.4 to +1.0	+0.8	+0.4 to +1.0	+0.8	%
Porosity	815 °C	53 - 57	55	51 - 55	53	%
Conductivity or "K" factor	260 °C	-	0.16	-	0.17	w/mk
	540 °C	-	0.18	-	0.19	w/mk
	815 °C	-	0.22	-	0.23	w/mk

CHEMICAL ANALYSIS

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
43.5	37.2	0.7	13.8	0.3	0.4	2.8

STANDARD PACKAGING 40 x 12.5Kg 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