



Insulating Castables

RESCOCAST 3BLI

RESCOCAST 3BLI IS A 1400 °C LOW IRON INSULATING CASTABLE WITH EXCELLENT STRENGTH AND INSULATION PROPERTIES. IT IS DESIGNED FOR INSTALLATION BY CASTING OR GUNNING

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 15Kg bags per pallet

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