

QUIKLITE 30

QUIKLITE 30 IS AN INSULATING CASTABLE WITH AN OPERATING TEMPERATURE UPTO 1095°C, WITH A GOOD STRENGTH TO DENSITY RATIO. QUIKLITE 30 CAN BE HEAT CURED AT RATES MUCH FASTER THAN CONVENTIONAL CASTABLES. BELOW IS TYPICAL CAST DATA :

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

BULK DENSITY

@ 110°C	35 - 40	LBS/FT ³	560 - 640	KG/M ³
@ 815°C	32 - 37	LBS/FT ³	510 - 590	KG/M ³

COLD CRUSHING STRENGTH

@ 540°C	100 - 175	P.S.I.	6.9 - 12.0	KG/CM ²
@ 815°C	75 - 150	P.S.I.	5.2 - 10.3	KG/CM ²
@ 1095°C	75 - 150	P.S.I.	5.2 - 10.3	KG/CM ²

PERMANENT LINEAR CHANGE

@ 815°C	- 0.50 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)	1.20	0.17
@ 540°C (1000°F)	1.20	0.17
@ 815°C (1500°F)	1.40	0.20

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
27.7	40.4	3.9	11.4	5.3	0.4	3.6

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

QUIKLITE 30

QUIKLITE 30 CAN ALSO BE READILY APPLIED BY GUNITE APPLICATION. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDELINES SET FORTH IN ASTM C-930-70 "PREPARING REFRACTORY CONCRETE SPECIMENS BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.)

(1095°C)

BULK DENSITY

@ 815°C	40 - 45	LBS/FT ³	640 - 720	KG/M ³
---------	---------	---------------------	-----------	-------------------

COLD CRUSHING STRENGTH

@ 540°C	125 - 250	P.S.I.	8.6 - 17.2	KG/CM ²
@ 815°C	125 - 250	P.S.I.	8.6 - 17.2	KG/CM ²
@ 925°C	125 - 250	P.S.I.	8.6 - 17.2	KG/CM ²

PERMANENT LINEAR CHANGE

@ 540°C	- 0.50 TO - 1.00 %
@ 815°C	- 0.80 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)	1.30	0.19
@ 540°C (1000°F)	1.30	0.19
@ 815°C (1500°F)	1.50	0.22