

DARLEY REFRACTORIES AUSTRALIA PTY. LTD.

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PRODUCT

LITECRETE 1280

DESCRIPTION

A high temperature medium weight refractory castable comprised of hydraulic setting high alumina cements and insulating aggregates suitable for hot face application.

MAXIMUM RECOMMENDED SERVICE TEMPERATURE*

1250⁰C

TYPICAL PROPERTIES:

Bulk Density (cast & dried @ 110 ⁰ C)	1,360	kg/m ³		
Cold Compressive Strength	110	1050	1200	⁰ C
Modulus of Rupture	18	8	10	MPa
Permanent Linear Change After heating for 5h @	5	3	2	MPa
	Neg	-0.2	-0.7	%

THERMAL CONDUCTIVITY: (On cooling from 1050⁰C)

@ Mean Temp	400 ⁰ C	800 ⁰ C
	0.38	0.43 W/m. ⁰ K

TYPICAL COMPOSITION:

Alumina	28	%
Silica	48	
Calcia	13	
Ferric Oxide	7	
Alkalies	2	

NOTE: Data is derived from routine testing of regular grade mixes and is not a guaranteed specification.