

DARLEY REFRACTORIES AUSTRALIA PTY. LTD.

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PRODUCT

LITECRETE 450

DESCRIPTION

A medium temperature ultra light weight insulating refractory castable comprised of hydraulic setting aluminous cements and insulating aggregates suitable for back-up application.

MAXIMUM RECOMMENDED SERVICE TEMPERATURE*

1050⁰C

TYPICAL PROPERTIES:

Bulk Density (cast & dried @ 110 ⁰ C)	530	kg/m ³		
Cold Compressive Strength	<u>110</u> 2.0	<u>750</u> -	<u>1050</u> 0.8	⁰ C Mpa
Permanent Linear Change After heating for 5h @	-0.1	-0.5	-1.0	%

THERMAL CONDUCTIVITY: (On cooling from 1050⁰C)

@ Mean Temp	<u>200⁰C</u>	<u>800⁰C</u>
	0.12	0.20 W/m. ⁰ K

TYPICAL COMPOSITION:

Alumina	28	%
Silica	30	
Calcia	20	
Ferric Oxide	10	
Magnesia	8	
Alkalies	4	

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

WATER ADDITION (Ball – in – Hand consistency) 105%