

DARLEY REFRACTORIES AUSTRALIA PTY. LTD.

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PRODUCT

DENSECRETE 145

DESCRIPTION

A high temperature, high strength refractory castable comprised of hydraulic setting high alumina cements and hard, stable refractory aggregate.

MAXIMUM RECOMMENDED SERVICE TEMPERATURE*

1450⁰C

TYPICAL PROPERTIES:

Bulk Density (cast & dried @ 110 ⁰ C)	2,030	kg/m ³		
	<u>110</u>	<u>1050</u>	<u>1450</u>	⁰ C
Cold Compressive Strength	35	15	40	MPa
Modulus of Rupture	6	4	8	MPa
Permanent Linear Change After heating for 5h @	Neg.	-0.5	+1.0	%

THERMAL CONDUCTIVITY: (On cooling from 1050⁰C)

@ Mean Temp	<u>500⁰C</u>	<u>1000⁰C</u>
	0.94	0.99W/m. ⁰ K

TYPICAL COMPOSITION:

Alumina	44	%
Silica	43	
Calcia	9	
Ferric Oxide	2	

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