

DARLEY REFRACTORIES AUSTRALIA PTY. LTD.

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PRODUCT

DENSECRETE 135 F

DESCRIPTION

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

MAXIMUM RECOMMENDED SERVICE TEMPERATURE*

1350⁰C

TYPICAL PROPERTIES:

Bulk Density (cast & dried @ 110 ⁰ C)	2,010	kg/m ³		
	<u>110</u>	<u>1050</u>	<u>1350</u>	⁰ C
Cold Compressive Strength	35	15	35	MPa
Modulus of Rupture	5	3	7	MPa
Permanent Linear Change After heating for 5h @	Neg.	-0.2	±1.0	%

THERMAL CONDUCTIVITY: (On cooling from 1050⁰C)

@ Mean Temp	<u>400⁰C</u>	<u>900⁰C</u>
	0.91	0.97W/m. ⁰ K

TYPICAL COMPOSITION:

Alumina	40	%
Silica	43	
Calcia	9	
Ferric Oxide	6	

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

WATER ADDITION (Ball-in-hand consistency) 15-16%