

RESCOCAST 1300

RESCOCAST 1300 IS A GENERAL DUTY HYDRAULICALLY BONDED CASTABLE FOR TEMPERATURES UP TO 1300°C. TYPICAL USES INCLUDE KILN FLOORS, HEAT TREATMENT BOGIES AND STACK LININGS. ALSO AVAILABLE IN GUNNING GRADE.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1300°C)

BULK DENSITY

@ 110°C	119 - 124	LBS/FT ³	1906 - 1986	KG/M ³
@ 815°C	113 - 118	LBS/FT ³	1810 - 1890	KG/M ³
@ M.S.T.	115 - 120	LBS/FT ³	1842 - 1922	KG/M ³

COLD CRUSHING STRENGTH

@ 110°C	1800 - 2500	P.S.I.	124 - 172	KG/CM ²
@ 815°C	1600 - 2000	P.S.I.	110 - 138	KG/CM ²
@ M.S.T.	1800 - 1800	P.S.I.	124 - 172	KG/CM ²

COLD MODULUS OF RUPTURE

@ 110°C	400 - 600	P.S.I.	28 - 41	KG/CM ²
@ 815°C	375 - 550	P.S.I.	26 - 38	KG/CM ²

PERMANENT LINEAR CHANGE

@ 815°C	0.00 TO - 0.30 % MAX
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STORAGE LIFE

2 YEARS UNDER DRY CONDITIONS

PACKAGING

25 KG PAPER SACKS

TYPICAL WATER ADDITION TO CAST

12.5 - 15.5 % BY WT.

MAXIMUM GRAIN SIZE

3/16 INCH

4.75 MM

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
37.5	42.6	6.1	8.1	0.8	1.8	1.3

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