

RESCOCAST 15HT

RESCOCAST 15HT IS A HYDRAULIC-SETTING, STANDARD TYPE CASTABLE WITH MODERATE RESISTANCE TO ABRASION AND THERMAL SHOCK. IT IS USED IN APPLICATIONS WHERE HIGH STRENGTH, MODERATE EROSION RESISTANCE AND MEDIUM INSULATING VALUES ARE REQUIRED. ITS EASE OF APPLICATION BY TROWELLING, CASTING OR GUNITING MAKES IT A MATERIAL THAT CAN BE EASILY INSTALLED. CAST DATA.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1400°C)

BULK DENSITY

@ 110°C	118 - 126	LBS/FT ³	1890 - 2018	KG/M ³
@ 815°C	112 - 120	LBS/FT ³	1794 - 1922	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	3000 - 5000	P.S.I.	210 - 350	KG/CM ²
@ 1400°C	3500 - 5000	P.S.I.	245 - 350	KG/CM ²

COLD MODULUS OF RUPTURE

@ 815°C	400 - 600	P.S.I.	28 - 42	KG/CM ²
@ 1400°C	500 - 700	P.S.I.	35 - 50	KG/CM ²

PERMANENT LINEAR CHANGE

@ 1095°C	- 0.10 TO - 0.50 %
@ 1400°C	0.00 TO - 1.40 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	4.0	0.58
@ 815°C	4.6	0.66
@ 1095°C	5.3	0.76

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	AlK
43.2	39.4	3.5	10.1	0.8	1.6	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

RESCOCAST 15HT

RESCOCAST 15HT CAN ALSO BE READILY APPLIED BY GUNNING APPLICATION. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDELINES SET FORTH IN ASTM C-930-70 "PREPARING REFRACTORY CONCRETE SPECIMENS BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1400°C)

BULK DENSITY

@ 815°C	126 - 136	LBS/FT ³	2018 - 2178	KG/M ³
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COLD CRUSHING STRENGTH

@ 815°C	2500 - 4500	P.S.I.	172 - 310	KG/CM ²
@ 1400°C	3000 - 4500	P.S.I.	207 - 310	KG/CM ²

PERMANENT LINEAR CHANGE

@ 1095°C - 0.10 TO - 0.50 %

1.8044