

Rescocast 70SCC

RESCOCAST 70SCC IS A GENERAL DUTY HIGH CEMENT CASTING GRADE CASTABLE CONTAINING 70% SIC. ITS GOOD ABRASION RESISTANCE AND HIGH HEAT TRANSFER VALUE MAKE THIS PRODUCT AN EXCELLENT CHOICE FOR THE TUBE WALLS IN THE COMBUSTION ZONES OF POWER GENERATING UNITS. THE HIGH HEAT TRANSFER CHARACTERISTIC OF THE SIC REDUCES SURFACE SLAGGING AND ALKALI BUILD-UP, THEREBY, IMPROVING THE OPERATING EFFICIENCY OF YOUR UNIT.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1500°C)

BULK DENSITY

@ 110°C	142 - 148	LBS/FT ³	2275 - 2375	KG/M ³
@ 815°C	137 - 143	LBS/FT ³	2195 - 2290	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	8000 - 10000	P.S.I.	552 - 690	KG/CM ²
---------	--------------	--------	-----------	--------------------

PERMANENT LINEAR CHANGE

@ 815°C	0.00 TO - 0.30 %
---------	------------------

EROSION LOSS (ASTM C-704) @ 815°C Less Than 20 CC

CONDUCTIVITY OR "K" FACTOR

	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
1000°F (540°C)	34.7	5.0
1500°F (815°C)	41.7	6.0

TYPICAL CHEMICAL ANALYSIS (%)

SiC	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	TiO ₂	OTHER
69.2	13.8	7.3	0.9	6.9	0.2	0.1

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

