

Quikturn FS-6G

QUIKTURN FS-6G IS A FUSED SILICA BASED LOW CEMENT GUN GRADE CASTABLE NOTED FOR HIGH STRENGTH, GOOD ABRASION RESISTANCE AND LOW REVERSIBLE THERMAL EXPANSION. THIS RESULTS IN A HIGHLY THERMAL SHOCK RESISTANT MATERIAL. QUIKTURN FS-6G CAN BE DRIED OUT AT MUCH HIGHER RATES THAN CONVENTIONAL CASTABLES. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING SAMPLE PREPARATION USING THE GUIDELINES SET FORTH IN ASTM C-903-88, "STANDARD PRACTICES FOR PREPARING REFRACTORY CONCRETES FOR GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 1093°C

BULK DENSITY

@ 110°C	124	LBS/FT ³	1984	KG/M ³
@ 815°C	120	LBS/FT ³	1920	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C 4000 - 8000 P.S.I. 280 - 590 KG/CM²

PERMANENT LINEAR CHANGE

@ 815°C	0.00	TO	- 0.30	%
@ 1093°C	0.00	TO	- 0.30	%

MAXIMUM GRAIN SIZE

5.0 MM

EROSION LOSS (ASTM C-704)

@ 815°C 18 CC MAX

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/Mk</u>
@ 260°C	5.6	0.81
@ 540°C	6.4	0.92
@ 815°C	6.9	0.99

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	SiC
18.2	72.2	0.1	1.2	0.07	0.1	6.9

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