

# FURNACE

TECHNOLOGIES PTY LTD

15 Weatherburn Way

Kardinya WA 6163

AUSTRALIA

Email: sales@furnace-technologies.com.au

Web: www.furnace-technologies.com.au

Tel: +61 (0) 8 9314 6858

Fax: +61 (0) 8 9314 1251

## Product : SC85 GROUT

### PRODUCT DESCRIPTION

A trowel grade, low iron refractory castable based on premium grade raw materials and binders. This product is developed for use as repair material for furnaces and ladles operating at high temperature.

### APPLICATION DATA

<b>Maximum Service Temperature (deg C)</b>	1600
<b>Cast Bulk Density (kg/m3)</b>	2375-2425
<b>Water Addition (%)</b>	12-15
<b>Installation Method</b>	Hand trowel
<b>Normal Packing</b>	25kg bags an pallets

### TYPICAL PHYSICAL PROPERTIES

<b>Firing Temperature (deg C)</b>	<b>Cold Compressive Strength (Mpa)</b>	<b>Permanent Linear Change (%)</b>
110	40-50	Neg
800		
1000	35-50	-0.1 to -0.2
1200		
1400	45-60	-0.2 to 0.25

### ESTIMATED THERMAL CONDUCTIVITY

<b>Mean Temperature (deg C)</b>	<b>500</b>	<b>1000</b>	<b>1200</b>	<b>1400</b>
<b>Value W/(Mk)</b>	0.90	0.98		

### TYPICAL CHEMICAL ANALYSIS (%)

<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>SiO<sub>2</sub></b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>CaO</b>	<b>ZrO<sub>2</sub></b>	<b>SiC</b>	<b>Alkalies</b>
85	7.5	1	4.05	----	----	0.2