

# CENTURION REFRACTORIES<sub>(PTY) LTD</sub>

## PRODUCT DATA

PRODUCT NAME		CHEMSET 50
CHEMICAL ANALYSIS		
SiO <sub>2</sub>	%	48.80
Al <sub>2</sub> O <sub>3</sub>	%	47.50
Fe <sub>2</sub> O <sub>3</sub>	%	1.20
TiO <sub>2</sub>	%	-
CaO + MgO	%	-
K <sub>2</sub> O + Na <sub>2</sub> O	%	-
PHYSICAL PROPERTIES		
Bulk Density Dried @ 110 °C	g/cm3	2.30
Cold Crushing Strength Dried @ 110 °C	Mpa	30.00
Cold Crushing Strength Fired to 1000 °C	Mpa	55.00
Maximum Particle Size	mm	6
Maximum Service Temperature	°C	1680
Permanent Linear change fired to 1000 °C	%	+ 0.10
Thermal Expansion @ 1000 °C	%	0.31
Thermal Conductivity @ 1000 °C	W/mK	1.40
ADDITIONAL INFORMATION		
Water Addition	%	6 – 8
Shelf Life	months	6
Packaging Size	kg	25
No. bags per pallet		40
DESCRIPTION		
Cement-free castable.		
APPLICATION		
For vibration casting to 1700°C.		

THIS DATA IS BASED ON AVERAGE VALUES AND SHOULD NOT BE TAKEN AS A GUARANTEED SPECIFICATION. IT IS SUBJECT TO REASONABLE VARIATION.

WHERE A PROPERTY IS CRITICAL, CONFIRMATION SHOULD BE OBTAINED FROM CENTURION REFRACTORIES.