

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

## PRODUCT DATA

PRODUCT NAME		CENTURCAST 13	
CHEMICAL ANALYSIS			
		Typical Values	Range
SiO <sub>2</sub>	%	41.0	39 - 42
Al <sub>2</sub> O <sub>3</sub>	%	42.0	40 - 44
Fe <sub>2</sub> O <sub>3</sub>	%	5.0	3 - 6
TiO <sub>2</sub>	%	1.5	1.3 - 1.8
CaO + MgO	%	10.5	10 - 12
K <sub>2</sub> O + Na <sub>2</sub> O	%	0.4	0.3 - 0.5
PHYSICAL PROPERTIES			
Bulk Density Dried @ 110 °C	g/cm3	> 2.20	
Cold Crushing Strength Dried @ 110 °C	Mpa	> 30	
Maximum Particle Size	mm	≤ 6	
Maximum Service Temperature	°C	1300	
Permanent Linear change fired to 1000 °C	%	< - 0.25	
Thermal Conductivity @ 1000 °C	W/mK	< -1.50	
ADDITIONAL INFORMATION			
Water Addition	%	8 - 10	
Shelf Life	months	6	
Packaging Size	kg	25	
No. bags per pallet		56	
DESCRIPTION			
Medium temperature, general purpose, conventional castable.			
APPLICATION			
Where good strength is required at all temperatures up to 1300°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.