



*TECHNICAL DATA*

**PRC-80**

PRODUCT TYPE	Dense Refractory Castable Regular Cement
Main component	Bauxite & Fireclay
Type of bond	hydraulic
Maximum service temperature	1570 C°
Installation method	casting - Vibrating
Storage	6 month
Packing	25 Kg sacks
grain size	0 - 5 mm
Water required for mixing on site	9 - 12 litres per 100 Kg of dry material

PRODUCT PROPERTIES	VALUES	UNITS
--------------------	--------	-------

**CHEMICAL ANALYSIS**  
( Calcined basis)

Al <sub>2</sub> O <sub>3</sub>	Min	80	%
SiO <sub>2</sub>	Max	11	%
Fe <sub>2</sub> O <sub>3</sub>	Max	2.5	%
CaO	Max	5.5	%

**PHYSICAL PROPERTIES**

Bulk density	Min	2.5	gr/cm <sup>3</sup>
--------------	-----	-----	--------------------

**Cold crushing strength)**

after 5 hr drying at 110 Ć	Min	470	Kg/cm <sup>2</sup>
after 5 hr firing at 1200 Ć	Min	300	Kg/cm <sup>2</sup>