



*TECHNICAL DATA*

**PRC-90**

PRODUCT TYPE	Dense Refractory Castable Regular Cement
Main component	Bauxite & Tabular Alumina
Type of bond	hydraulic
Maximum service temperature	1700 C°
Installation method	casting - Vibrating
Storage	6 month
Packing	25 Kg sacks
grain size	0 - 5 mm
Water required for mixing on site	8 - 11 litres per 100 Kg of dry material

PRODUCT PROPERTIES	VALUES	UNITS
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**CHEMICAL ANALYSIS**  
( Calcined basis)

	Min	Max	Units
Al <sub>2</sub> O <sub>3</sub>	90		%
SiO <sub>2</sub>	6		%
Fe <sub>2</sub> O <sub>3</sub>	1.5		%
CaO	5.5		%

**PHYSICAL PROPERTIES**

Bulk density	Min	2.6	gr/cm <sup>3</sup>
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**Cold crushing strength)**

after 5 hr drying at 110 C°	Min	480	Kg/cm <sup>2</sup>
after 5 hr firing at 1200 C°	Min	350	Kg/cm <sup>2</sup>