



LOW CEMENT CASTABLE

	Sinref 45	Sinref 60	Sinref 70	Sinref 80	Sinref 90
General Properties					
Maximum Service Temp. °C	1550	1600	1600	1700	1700
Maximum Grain Size (mm)	6	6	6	6	6
Water addition on site %	5-6	5-6	4.5-5.0	4.5-4.8	4.2-4.5
Reversible Thermal Expansion % at 1000°C.	0.55	0.66	0.65	0.75	0.85
Physical Properties					
Refractoriness (°C) / Orton min	32 (1717)	36 (1804)	36 (1804)	37 (1820)	37 (1820)
Dry Density (Kg/ m ³) min at 110°C	2300	2600	2700	2900	3050
Cold Crushing Strength (Kg/ cm ²) at					
110°C/ 24 hrs	700	750	750	800	950
800°C/ 3 hrs	800	800	800	900	1000
1100°C/ 3 hrs	900	900	900	1000	1150
1500°C/ 3 hrs	1000	1000	-	-	-
1550°C/ 3 hrs	-	-	1000	1200	1200
P.L.C. % (max.) at					
800°C/ 3 hrs	±0.2	±0.2	±0.2	±0.2	±0.2
1100°C/ 3 hrs	±0.3	±0.3	±0.3	±0.3	±0.3
1500°C/ 3 hrs	±1.0	±1.0	-	-	-
1550°C/ 3 hrs	-	-	±1.0	±0.8	±0.6
Chemical Analysis					
Al ₂ O ₃ (%) min.	45.0	60.0	70.0	80.0	90.0
Fe ₂ O ₃ (%) max	1.0	1.5	1.5	1.5	1.0

- Note :
- For each product a current product information would be provided on request. Please follow application procedure sheet before use.
 - In addition, we can supply Tailor made variety to suit customer's requirement.
 - Nature of Bond :- Hydraulic
 - Installation :- Vibrating
 - Storage Life :- 3 Months
 - Delivery State :- Dry