



INSULATING CASTABLE

	SR LITE 4	SR LITE 7	SR LITE 9	SR LITE 11	SR LITE 13	SR LITE 15
General Properties						
Maximum Service Temp. °C	1000	1100	1100	1350	1350	1350
Maximum Grain Size (mm)	6	6	6	6	6	6
Water addition on site %	100-110	70-80	55-60	35-40	30-35	30-35
Reversible Thermal Expansion % at 1000°C.	0.55	0.57	0.57	0.57	0.60	0.60
Physical Properties						
Refractoriness (°C) / Orton min	-	1337/ 12	1398/ 14	1398/ 14	1398/ 14	1530/ 15
Dry Density (Kg/ m ³) min at 110° C	500	850	1000	1250	1450	1600
Cold Crushing Strength (Kg/ cm ²) min at						
110°C/ 24 hrs	2	12	15	35	50	90
800°C/ 3 hrs	1	4	6	25	30	60
1000°C/ 3 hrs	-	6	10	25	30	60
1300°C/ 3 hrs	-	-	-	40	50	70
Thermal Conductivity (KCal/ m/ hr/ °C) 500°C Hot Face	0.10	0.14	0.28	0.31	0.33	0.44
P.L.C. % max. at						
500°C/ 3 hrs	-	-	±0.20	-	-	-
800°C/ 3 hrs	±0.50	±1.00	±0.60	-	-	-
1100°C/ 3 hrs	-	±1.60	±1.00	±0.20	±0.20	±0.20
1300°C/ 3 hrs	-	-	-	±1.00	±0.60	±0.60
Chemical Analysis						
Al ₂ O ₃ (%) min.	30.00	33.00	33.00	34.00	39.00	40.00
Fe ₂ O ₃ (%) max	11.00	8.50	6.00	3.50	3.50	3.20

- Note :
- The properties shown above do not represent guaranteed values. 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 : Rodding / Tamping
 - Storage Life : 6 Months
 - Delivery State : Dry