Particulars	REFCAST A	REFCAST 80	REFCAST K	REFCAST C	REFCAST A SUPER	REFCAST K SUPER	REFCAST C SUPER	REFCAST HA	REFCAST HA	THERMO PATCH SPECIAL
General Properties										
Service Temp°C (Max)	1750	1700	1600	1500	1700	1550	1500	1800	1850	1600
Grain Size (MM) (Max.)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Water Required to Mix (%)	8 - 10	9-11	9-11	10-12	8-10	9-11	10-12	8-10	8-10	10-12
Reversible Thermal Expansion	0.80	0.85	0.60	0.55	0.8	0.6	0.55	0.9	0.9	0.8
Physical Properties										
Bulk Density (gm/cc) (Dried at 110°C)(Min.)	2.8	2.65	2.20	2.1	2.75	2.0	2.0	2.75	2.75	2.75
Cold Crushing Strength (kgf/cm)										
1 Day 110°C 1100°C 1500°C	250 650 400 650	250 550 375 500	200 400 300 550	200 380 250 500	300 900 450 700	250 500 350 600	200 400 275 500	250 600 400 700	200 400 300 700	350 950 600 700
MOR, Kg/Cm										
110°C 1100°C 1500°C	95 45 110	80 40 100	65 30 90	65 30 85	105 60 115	65 30 90	65 30 85	100 50 120	75 35 90	120 75 130
Thermal Properties										
Refractoriness°C (Min)	1800	1750	1680	1650	1750	1680	1650	+1900	+1900	+1750
Permanent Linear Change (%)(Max)										
800°C 1100°C 1500°C	-0.06 -0.12 -0.08	-0.08 -0.15 -0.90	-0.12 -0.19 -1.20	-0.06 -0.12 -0.85	-0.6 -0.12 -0.6	-0.12 -0.19 -1.20	-0.06 -0.12 -0.85	-0.05 -0.08 -0.30	-0.05 -0.08 -0.20	-0.05 -0.12 -0.60
Thermal Conductivity (Kcal/hr/m/°C)										
400°F/3 Hrs 600°F/3 Hrs 800°F/3 Hrs	1.10 1.18 1.25	1.05 1.10 1.15	0.80 0.85 0.95	0.75 0.85 0.85	1.15 1.20 1.30	0.80 0.85 0.95	0.70 0.75 0.80	1.00 1.15 1.20	1.00 1.15 1.20	1.15 1.22 1.32
Chemical Properties(%)										
Al_2O_3 (Min) Fe_2O_3 (Max)	90 0.8	85 1.2	60 1.0	50 1.5	88 0.70	60 1.0	50 1.4	94 0.3	96 0.3	0.7
Application Guidelines Mixer Placement Water/Mix Temperature°C Mixing Time (Min.): Dry/Wet	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5	P V/T 20 ± 5 2/5