



Technical Data Sheet High Purity Dense Castable

Product Name			Ultra Heat-C	Ultra Heat-K	Ultra Heat-A	Ultra Tab-97
Type Of Bond			Hydraulic	Hydraulic	Hydraulic	Hydraulic
Max. Recommended Temp.			1500°C	1600°C	1700°	1800°C
Material Required (Kg/m³)			2170	2210	2730	2950
Maximum grain size (mm)			6	6	6	6
Water required for installation (%)			10.5- 11.5	10.5- 12	08-Oct	8.5- 9.5
Installation method			Casting	Casting	Casting	Casting
Chemical Properties	Al ₂ O ₃		48-52	57-61	85-90	>93.0
	(Fe2o3)		0.8- 1.50	1-3	0.8- 1.5	<0.45
Physical Properties	Bulk Density at 110°C/24hrs (gm/cm³)		2.10- 2.25	2.15- 2.25	2.65- 2.80	>2.75
	Cold Crushing Strength (MPa)	at 110°C/24hrs	35-43	35-40	60-70	>50
		at 1100°C/ 3hrs	18-28	18-28	30-40	
		at 1500°C/ 3hrs	53-68	35-50		>55
		at 1550°C/ 3hrs	-	-	65-80	-
	Perm. Linear Change %	at 1100°C/ 3hrs	-0.4 to 0.2	0.4 to 0.2	-0.40 to 0.20	-
		at 1500°C/ 3hrs	-1.0 to -2.5	-1.0 to 2.2	-	-
		at 1550°C/ 3hrs	-	-	-0.1 to -2.50	-
Packaging			HDPE/ Paper Bags or Big bags	HDPE/ Paper Bags or Big bags	HDPE/ Paper Bags or Big bags	HDPE/ Paper Bags or Big bags
State Of Delivery			Dry	Dry	Dry	Dry
Shelf Life (storage in dry conditions)			9 months	9 months	9 months	9 months