

DATA SHEET OF LOW CEMENT CASTABLE

SL NO	PARAMETERS	SPECIFICATION
1	PRODUCT BRAND	IND LC 45
2	DESCRIPTION	45 % ALUMINA LC CASTABLE
3	MAX SERVICE TEMP, °C	1550
4	NATURE OF BOND	HYDRAULIC
5	MAX GRAIN SIZE, MM	6
6	INSTALLATION	VIBRATION CASTING
7	CHEMICAL ANALYSIS	
	Al ₂ O ₃ , %	45.00 MIN
	Fe ₂ O ₃ , %	1.00 MAX
	CaO, %	2.50 MAX
8	WATER REQD FOR CASTING, %	7 to 8
9	BD, g/cc	
	After drying at 110°C / 24 hours	2.30 MIN
10	CCS, kg/cm ²	
	After drying at 110°C / 24 hours	700 MIN
	After heating at 800°C / 3 hours	800 MIN
	After heating at 1100°C / 3 hours	900 MIN
	After heating at 1500°C / 3 hours	1000 MIN
11	PERMANENT LINEAR CHANGE, %	
	After heating at 800°C / 3 hours	± 0.20 MAX
	After heating at 1100°C / 3 hours	± 0.30 MAX
	After heating at 1500°C / 3 hours	± 1.00 MAX
12	REFRACTORINESS, °C	32 / 1717 MIN



13	THERMAL CONDUCTIVITY, kcal/m/hr/°C	
	At 500°C HF	1.00 - 1.10
14	PACKAGING, Bags	50 KG
15	SHELF LIFE, Months	6
16	DELIVERY STATE	DRY