

Aathivinayaga Refractories

Technical Data Sheet

Product Name : Fire Cast LC 45



SI No	Properties	Value
1	Service Temperature °C (Max)	1450
2	Major Raw Material	Chomatte
3	Self Life	6 Months
4	Grain Size (MM) (Max)	5
5	Water Required to Mix	5.5 to 6.5
6	Method of Installation	Vibro Casting
7	Bulk Density (gm/cc) (Min) Dried at 110°C	2.25
8	Intial Setting Time in Hours	2.5
Cold Crushing Strength (Kg/Cm²) (Min)		
1	110°C	650
2	1000°C	600
3	1200°C	700
4	1400°C	750
5	1500°C	N/A
Permanent Linear Change (%) (Max)		
1	500°C	N/A
2	1000°C	0.5
3	1200°C	0.8
4	1400°C	1
5	1500°C	N/A
Thermal Conductivity (Kcal/m/hr/°C)		
1	400°C	1.1
2	1000°C	1.2
3	1200°C	1.44
1	Reversible Thermal Expansion % (1000° C)	0.48
2	Themal Shock Cycle (Air Quenching)	50
3	Alkali Resistance	Excellent
Chemical Analysis (%)		
1	Al ₂ O ₃	45
2	Fe ₂ O ₃	1.5
3	SiO ₂	48
4	CaO	1.8

Recommended Application Areas

Factory Address: No: 189/5 Periyakandiyankuppam, Aaladi Road, Virudhachalam Taluk, Cuddalore District, TamilNadu. Pin Code: 606001.

Mobile: +91 8667497262 / +91 9566802585

E-Mail-aathivinayaga@outlook.com & aathivinayaga2020@gmail.com