

TECHNICAL SPECIFICATIONS OF WHITE CEMENT

CHEMICAL

No.	PARAMETERS VEMBANAD CEMENT RESULTS	BIS SPECIFICATION (IS 8042:2015)
1	Loss on ignition 1.5–2.8	Max. 7.0
2	Iron Oxide % 0.2–0.26	Max. 1.0%
3	Total sulphur contents as SO ₃ 2.8–3.3	Max. 3.5%
4	Magnesium oxide % 0.40–0.72	Max. 6%
5	Chloride Content % 0.02–0.04	Max. 0.1
6	Lime Saturation Factor 0.93–0.98	0.66–1.02
7	Insoluble Residue % <0.3	Max. 4.0

PHYSICAL

No.	PARAMETERS VEMBANAD CEMENT RESULTS	BIS SPECIFICATION (IS 8042:2015)
1	Fineness (m ² /Kg) 350–400	225 Min.
2	Setting time (minutes) Initial: 65–85 Final: 95–115	Initial: 30 Min. Final: 600 Max.
3	Soundness: Le Chatelier (mm): 1mm Autoclave (%): Nil	Le Chatelier: 10 Max. Autoclave: 0.8 Max.
4	Whiteness (%) 88–92	70 Min.
5	Compressive strength (Mpa) 3 days: 34–42 7 days: 44–50 28 days: 54–62	3 days: 16 Min. 7 days: 22 Min. 28 days: 33 Min.