

DS/15-08.02



ISO 9001, ISO 14001, ISO 50001 & OHSAS 18001
Certified by IRQS

IS 455

CM/L-0004410342

**JSW CEMENT LTD.,
Bilakalagudur**

IS: 455: 2015

**TEST CERTIFICATE FOR PORTLAND SLAG CEMENT
(PSC CONCREEL HD)**

S.No.	Characteristics	Requirement as Per IS 455:2015	Test Result
	CHEMICAL REQUIREMENTS	% Max.	
1	Magnesium Oxide (% MgO)	10.0	3.56
2	Sulphur Trioxide (% SO ₃)	3.5	1.80
3	Sulphide Sulphur (% S)	1.5	0.23
4	Loss On Ignition (%)	5.0	0.76
5	Insoluble Residue (%)	4.0	0.53
6	Chlorides (%)	0.1	0.006
	PHYSICAL REQUIREMENTS		
1	Fineness (M ² /Kg)(Min)	225	364
2	Setting Time (minutes) a) Initial(Min) b) Final(Max)	30 600	175 225
3	Soundness a) Le-chatelier (mm)(Max) b) Auto Clave (%) (Max)	10 0.8	0.60 0.03
4	Compressive Strength (MPa) a) 72 ± 1h (3 days)(Min) b) 168 ± 2h(7 days)(Min) c) 672 ± 4h (28 days)(Min)	16 22 33	25.30 36.40 51.40

Week No.-29

15.07.2020 – 21.07.2020

Kazi M.K.

Authorized signatory