



IS 16415:2015



CML-6200134386

ISO 9001, ISO 14001, ISO 50001 & OHSAS 18001  
Certified by IRQS**JSW CEMENT LTD.,  
VIJAYANAGAR WORKS****CERTIFICATE FOR COMPOSITE CEMENT**

S.No.	Characteristics	Requirement as Per IS 16415:2015	Test Result
<b>CHEMICAL REQUIREMENTS</b>			
% Max.			
1	Insoluble Residue (%) a) Max. b) Min. Where X is the declared % of pozzolana in composite cement	$X+4(100-X)/100$ 0.6X	15.32
2	Magnesium Oxide (% MgO) Max.	8.0	3.07
3	Sulphur Trioxide (% SO <sub>3</sub> )	3.5	1.84
4	Sulphide Sulphur (% S)	0.75	0.15
5	Loss Of Ignition (%)	5.0	2.30
6	Chlorides (%)	0.1	0.007
7	Alkali Content (%) as Na <sub>2</sub> O max.(%)	0.6	0.38
<b>PHYSICAL REQUIREMENTS</b>			
1	Normal Consistency	NA	30.00
2	Fineness (M <sup>2</sup> /Kg)(Min)	300	337
3	Setting Time (minutes) a) Initial(Min) b) Final(Max)	30 600	120 210
4	Soundness a) Le-chatelier (mm)(Max) b) Auto Clave (%)(Max)	10 0.8	Nil 0.02
5	Compressive Strength (MPa) a) 72 ± 1h (3 days)(Min) b) 168 ± 2h(7 days)(Min) c) 672 ± 4h (28 days)(Min)	16 22 33	20.20 30.30 49.00
6	Drying shrinkage ( %) Max.	0.15	0.02

Week No. 27

02.07.2023– 08.07.2023

  
Authorized signatory