



SCC/IIMS/TQCC15-B/2020/03/00

## TEST CERTIFICATE

PRODUCT: PORTLAND LIMESTONE CEMENT (PLC) (Tested in accordance with BS EN 197-1:2011 CEM II/B-L ( Strength Class 32.5N))					
Week No. : 15 (08.04.2024 to 14.04.2024 )			CERTIFICATE DATE 22.04.2024		
Sl. No.	Constituent		Unit	Limits: As per BSEN 197-1:2011	Results
<b>CHEMICAL COMPOSITION</b>					
1	Loss of Ignition (LOI)	(%)			12.52
2	Insoluble Residue (IR)	(%)			1.64
3	Sulphur Trioxide (SO <sub>3</sub> )	(%)	Max	3.5	2.50
4	Magnesium Oxide (MgO)	(%)			1.90
5	Alkalies (Na <sub>2</sub> O+0.658K <sub>2</sub> O)	(%)			0.68
6	Chloride (Cl)	(%)	Max	0.10	0.01
<b>PHYSICAL PROPERTIES</b>					
1	Specific Surface (Air-permeability Test)	(M <sup>2</sup> /Kg)			425
2	Setting Time (Vicat Test)				
	(I) Initial	(Minutes)	Min	75	175
	(II) Final	(Minutes)			270
3	Soundness (Le-Chateliere Expansion)	(mm)	Max	10	1.0
4	Compressive Strength				
	(I) 2 Days	(N/mm <sup>2</sup> )			14.8
	(II) 7days		Min	16.0	24.4
	(III) *28Days	(N/mm <sup>2</sup> )	Min. 32.5 & Max. 52.5		34.5

Note : (i) This quality certificate is issued as an indicative information for the person in whose name it is issued.

(ii) The performance and data may vary based on other parameters, such as storage, curing, additives, mixture, application and other external factors.

(iii) Portland Limestone cement containing between 21% and 35% by mass of limestone

(\* 28 Days strength for Week No. 12 (18.03.2024 to 24.03.2024 )



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