

AlbaCem

Type of Cement : White Composite Cement
Standard : CEM II /B-M 52.5N as per BS EN 197-1:2011
Week No. : 07/20
Sample Date : 12-18.02.2020 تاريخ العينة :
Issue Date : 21-Mar-20

Parameters	Units	Results %	Specification	
Chemical Test Results				
Loss On Ignition	LOI	%	6.25	
Silicon Dioxide	SiO ₂	%	20.18	
Aluminium Oxide	Al ₂ O ₃	%	4.48	
Ferric Oxide	Fe ₂ O ₃	%	0.16	
Calcium Oxide	CaO	%	63.59	
Magnesium Oxide	MgO	%	0.96	
Potassium Oxide	K ₂ O	%	0.24	
Sodium Oxide	Na ₂ O	%	0.22	
Sulphur Trioxide	SO ₃	%	3.51	Max 4.0 %
Chloride	Cl ⁻	%	0.028	Max 0.10 %
Insoluble Residue	IR	%	0.28	Max. 5.0 %
Whiteness	W Lab		92.9	
Physical Test Results				
Fineness (Specific Surface)	Blaines	m ² /kg	455	
+45 µm Residue		%	3.38	
Specific Gravity			2.93	
Initial Setting Time	IST	Minutes	130	Min. 45
Final Setting Time	FST	Minutes	160	
Soundness Le-Chatlier	Expansion	mm	0.4	Max. 10 mm
Compressive Strength (N/mm²)				
2 Days		N/mm ²	31.3	Min 20.0
7 Days		N/mm ²	45.7	
28 Days		N/mm ²	58.5	Min. 52.5

We hereby certify that the above described **WHITE PORTLAND COMPOSITE CEMENT - CEM II /B-M (S-LL) 52.5 N**, at the time of consignment, meets the Chemical and Physical requirements of the **BS EN 197-1:2011**.


Quality Control Manager
 (D. Balasubramanian)

