

AALBORG WHITE[®] cement *made in Egypt*

AALBORG WHITE[®] cement has the CE-mark and is marked as CEM I 52,5 R and certified by KIWA with the certificate no. 0770-CPR-2092-03-18. The cement and clinker are produced by Sinai White Cement in El Arish, Egypt.

Essential characteristics		Typical value		Requirements in EN 197-1:2011
Physical properties				
2 days strength	MPa	39		≥ 30
28 days strength	MPa	68		≥ 52.5
Initial setting time	min	160		≥ 45
Standard consistency	%	29		
Soundness	mm	1		≤ 10
Fineness	m ² /kg	450		
Reflection (DIN 5033)	%	87		
Hunter L		93		
Hunter A		-1.4		
Hunter B		4.4		
Absolute density	kg/m ³	3050		
Chemical properties				
SO ₃	%	3.1		≤ 4.0
MgO	%	0.6		
Alkalis as Na ₂ O	%	0.6		
Cl ⁻	%	0.07		≤ 0.10
Loss on ignition	%	2.8		
Insoluble residue	%	0.2		
Water soluble Cr ⁶⁺	mg/kg	≤ 2		
Clinker composition - Bogue / ASTM C150				
C ₃ S	%	71		
C ₂ S	%	19		
C ₃ A	%	7		
C ₄ AF	%	1		
Cement composition				
Main constituents - Clinker	% ¹⁾	97		≥ 95
Minor constituents	% ¹⁾	3		≤ 5
Grinding aid (TEA)	%	0.0		≤ 0.2
Calcium Sulphate	%	5		

1) Percentage based on the sum of main and minor constituents

Last updated: 03.04.2020, Aalborg

