

## AALBORG WHITE<sup>®</sup> cement *made in Egypt*

AALBORG WHITE<sup>®</sup> cement has the CE-mark and is marked as CEM II/B-LL 42,5 N and certified by KIWA with the certificate no. 0770-CPR-2092-02-18. The cement and clinker are produced by Sinai White Cement in El Arish, Egypt.

Essential characteristics		Typical value		Requirements in EN 197-1:2011
<b>Physical properties</b>				
2 days strength	MPa	26		≥ 10
28 days strength	MPa	48		≥ 42.5
Initial setting time	min	180		≥ 60
Standard consistency	%	28		
Soundness	mm	2		≤ 10
Fineness	m <sup>2</sup> /kg	520		
Reflection (DIN 5033)	%	87		
Hunter L		93		
Hunter A		-1.1		
Hunter B		4.6		
Absolute density	kg/m <sup>3</sup>	2990		
<b>Chemical properties</b>				
SO <sub>3</sub>	%	2.3		≤ 3.5
MgO	%	0.6		
Alkalis as Na <sub>2</sub> O	%	0.4		
Cl <sup>-</sup>	%	0.06		≤ 0.10
Loss on ignition	%	12.9		
Water soluble Cr <sup>6+</sup>	mg/kg	≤ 2		
<b>Clinker composition - Bogue / ASTM C150</b>				
C <sub>3</sub> S	%	71		
C <sub>2</sub> S	%	19		
C <sub>3</sub> A	%	7		
C <sub>4</sub> AF	%	1		
<b>Cement composition</b>				
Main constituents - Clinker	% <sup>1)</sup>	72		≥ 65 and ≤ 79
Main constituents - Limestone	% <sup>1)</sup>	28		≥ 21 and ≤ 35
Minor constituents	% <sup>1)</sup>	0		≤ 5
Grinding aid (TEA)	%	0.0		≤ 0.2
Calcium Sulphate	%	4		

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

