

## AALBORG WHITE® cement *made in Egypt* CEM I 52,5 R

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 certified by KIWA with the certificate no. 0770-CPR-2092-03-18.

Essential characteristics		Typical value	Requirements in EN 197-1
1 day strength	MPa	29	
2 days strength	MPa	42	≥ 30
28 days strength	MPa	67	≥ 52.5
Initial setting time	min	125	≥ 45
Standard Consistency		29	
Soundness	mm	0.5	≤ 10
Fineness	m <sup>2</sup> /kg	460	
Reflectance (DIN 5033)	%	86.5	
Hunter L		93.0	
Hunter a		-1.4	
Hunter b		3.5	
Absolute density	kg/m <sup>3</sup>	3150	
<b>Bogue composition – Clinker / ASTM</b>			
C <sub>3</sub> S	%	72	
C <sub>2</sub> S	%	17	
C <sub>3</sub> A	%	6	
C <sub>4</sub> AF	%	0.8	
<b>Chemical properties</b>			
SO <sub>3</sub>	%	3.4	≤ 4.0
MgO	%	0.2	
Alkalies as Na <sub>2</sub> O	%	0.5	
Cl <sup>-</sup>	%	0.07	≤ 0.10
Loss on ignition	%	3.5	≤ 5.0
Insoluble residue	%	0.2	≤ 5.0
Water soluble Cr <sup>6+</sup>	mg/kg	≤ 2.0	

