

**AALBORG WHITE® cement** *made in Egypt* CEM II/B-LL 42,5 N

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 certified by KIWA with the certificate no. 0770-CPR-2092-02-18.

Essential characteristics		Typical value	Requirements in EN 197-1
1 day strength	MPa	16	
2 days strength	MPa	24	≥ 10
28 days strength	MPa	48	≥ 42.5 ≤ 62.5
Initial setting time	min	150	≥ 60
Standard Consistency		26	
Soundness	mm	1.3	≤ 10
Fineness	m <sup>2</sup> /kg	550	
Reflectance (DIN 5033)	%	87.0	
Hunter L		91.5	
Hunter a		-1.2	
Hunter b		4.0	
Absolute density	kg/m <sup>3</sup>	3000	
<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>	%	2.4	≤ 3.5
MgO	%	0.2	
Alkalies as Na <sub>2</sub> O	%	0.4	
Cl <sup>-</sup>	%	0.06	≤ 0.10
Loss on ignition	%	13.5	
Insoluble residue	%	0.2	≤ 5.0
Water soluble Cr <sup>6+</sup>	mg/kg	≤ 2.0	

