

AALBORG WHITE® cement

AALBORG WHITE® cement has the CE-mark and is marked as CEM I 52,5 R SR5 and certified by Bureau Veritas Certification with the certificate no. 0615-CPR-9806.

Essential characteristics		Typical value	Confirmed Value	Requirements in EN 197-1
Physical properties				
1 day strength	MPa	21 - 27		
2 days strength	MPa	40 - 48		≥ 30
7 days strength	MPa	53 - 65		
28 days strength	MPa	66 - 76		≥ 52,5
Initial setting time	min	110 - 160		≥ 45
Standard Consistency		30		
Soundness	mm	0,5		≤ 10
Fineness	m ² /kg	400		
Reflection (DIN 5033)	%	85 - 89,5		
Hunter L		93		
Hunter A		-1,5		
Hunter B		4,5		
Absolute density	kg/m ³	3090 - 3190		
Bulk density	kg/m ³	1080		
Heat of hydration according to EN 196-9	kJ/kg	350		
Bogue composition - Clinker / ASTM				
C ₃ S	%	73		
C ₂ S	%	16		
C ₃ A	%	5		≤ 5
C ₄ AF	%	1		
Chemical properties				
SO ₃	%	1,8 - 2,3		≤ 3,5
MgO	%	0,6		
Alkalies as Na ₂ O	%		≤ 0,3	≤ 0,4*)
Cl ⁻	%		≤ 0,04	≤ 0,10
Loss on ignition	%	1		≤ 5,0
Insoluble residue	%	0,1		≤ 5,0
Water soluble Cr ⁶⁺	mg/kg	≤ 2		

For properties where there is a specified range of variation the probability that a value falls outside is less than 5 %

