

**Product Data Sheet - 2024**
**AALBORG WHITE cement D-Carb<sup>®</sup>** *made in Denmark*

**AALBORG WHITE cement D-Carb** is marked as CEM II/A-LL 52,5 R.  
 The cement and clinker are produced by Aalborg Portland A/S in Aalborg, Denmark.

Essential characteristics	Standard	Unit	Range <sup>1)</sup>	Requirements in EN 197-1:2021
<b>Physical properties</b>				
1 day strength	EN196-1	MPa	21 – 28	
2 days strength	EN196-1	MPa	34 – 42	≥ 30
28 days strength	EN196-1	MPa	56 – 66	≥ 52.5
Initial setting time	EN196-3	min	125 – 165	≥ 60
Standard Consistency	EN196-3	%	28 – 30	
Soundness	EN196-3	mm	0	≤ 10
Fineness	EN196-6	cm <sup>2</sup> /g	3700 – 4000	
Reflectance	DIN 5033	%	87	
Hunter L			93	
Hunter A			-2.0	
Hunter B			3.8	
Absolute density		kg/m <sup>3</sup>	3030	
Bulk density		kg/m <sup>3</sup>	1100	
<b>Chemical properties</b>				
SO <sub>3</sub>	EN196-2	%	2.5	≤ 4.0
MgO	EN196-2	%	0.7	
Alkalies as Na <sub>2</sub> O equivalent	EN196-2	%	0.2	
Cl <sup>-</sup>	EN196-2	%	0.02	≤ 0.10
Water soluble Cr <sup>6+</sup>	EN196-10	mg/kg	≤ 2	
<b>Cement composition</b>				
Main constituents - Clinker		% <sup>2)</sup>	82 – 86	≥ 80
Minor constituents - Limestone		% <sup>2)</sup>	14 – 18	≤ 20
Other constituents - Calcium Sulphate		%	4	

1) For properties where there is a specified range, the probability that a value falls outside is less than 5%.

2) Percentage based on the sum of main and minor constituents.

*Last updated: 11.01.2024, Aalborg*

