

PRODUCT DATA SHEET

ANLEGGSEMENT FA

CEM II/A-V 42,5 N

LATEST REVISION FEBRUARY 2024

The cement satisfies the requirements according to NS-EN 197-1:2011 for Portland composite cement CEM II/A-V 42,5 N

Properties		Declared values	Requirements according to NS-EN 197-1:2011
Fineness (Blaine m ² /kg)		390	
Specific weight (kg/dm ³)		3.02	
Soundness (mm)		1	≤10
Initial setting time (min)		165	≥60
Compressive strength (MPa)	1 day	12	
	2 days	21	≥10
	7 days	37	
	28 days	53	≥42.5 ≤62.5
Sulfate (% SO ₃)		≤3.5	≤3.5
Chloride (% Cl ⁻)		≤0.07	≤0.10
Water soluble chromium (ppm Cr ⁶⁺)		≤2	≤2 ¹⁾
Alkalies (% Na ₂ O _{ekv}) ²⁾		0.5	
Clinker (%)		81	80-94
Fly ash (%)		15	6-20
Minor additional constituents (%)		4	<5

¹⁾ According to EU-regulation REACH Annex XVII point 47 Chromium VI-compounds

²⁾ Calculated without contribution from fly ash (according to NB21 section 4.4 and use of the general alkali limit 2.5 kg Na₂O_{ekv}/m³ concrete). The total alkali content in concrete is calculated like this: The amount of cement (kg/m³) x 0.5% Na₂O_{ekv}



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