

## STANDARDSEMENT FA adjusted

CEM II/B-M (V-L) 42,5 R

*Last revision September 2023*

The cement satisfies the requirements according to NS-EN 197-1:2011 for Portland-composite cement CEM II/B-M (V-L) 42,5 R.

Properties		Declared values	Requirements according to NS-EN 197-1:2011
Fineness (Blaine m <sup>2</sup> /kg)		470	
Specific weight (kg/dm <sup>3</sup> )		3,00	
Soundness (mm)		1	≤ 10
Initial setting time (min)		150	≥ 60
Compressive strength (MPa)	1 day	19	
	2 days	29	≥ 20
	7 days	40	
	28 days	53	≥ 42,5 ≤ 62,5
Sulfate (% SO <sub>3</sub> )		≤ 4	≤ 4
Chloride (% Cl <sup>-</sup> )		≤ 0,085	≤ 0,10
Water soluble chromium (ppm Cr <sup>6+</sup> )		≤ 2	≤ 2 <sup>1</sup>
Alkalies (% Na <sub>2</sub> O <sub>ekv</sub> )		1,2	
Clinker (%)		78	65-79
Fly ash (%)		13	21-35
Limestone filler (%)		9	

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

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