evoZero Anläggningscement FA Brevik
evoBuild CC Anläggningscement FA Brevik

CEM II/A-V 42,5 N MH/LA/NSR

Anläggningscement FA Brevik is a Portland-fly ash cement produced by Heidelberg Materials in Brevik, Norway.

The product fulfills the technical data below. On rare occasions the values may deviate from the specified ranges or limits.

Property		Value	Range	Requirements in EN 197-1
Compact density (kg/m³)		3000	-	-
Setting time (min)		170	-	≥ 60
Specific surface (blaine, m²/kg)		430	-	-
Brightness (%)		19	± 1	-
Compressive strength (MPa)	1 day	11	-	-
	2 days	20	-	≥ 10.0
	7 days	38	-	-
	28 days	52	-	≥ 42.5 / ≤ 62.5
Heat of hydration (kJ/kg)	1 day	170	-	-
	3 days	250	-	-
	7 days	290	-	≤ 320[1]
Sulfates, SO_3 (%)		≤ 3.0	-	≤ 3.0[2]
C_3A, clinker (%)		≤ 3	-	≤ 3[2]
Alkali in clinker, Na_2O_{eq} (%)		≤ 0.6	-	≤ 0.6[3]
Chloride, Cl^- (%)		≤ 0.05	-	≤ 0.10
Water-soluble chromium Cr^{6+} (PPM)		≤ 2	-	≤ 2[4]
Loss of ignition, fly ash (%)		≤ 5.0	-	≤ 5.0
Clinker (%)		≥ 80	-	80-94
Fly ash[5] (%)		≤ 18[5]	-	6-20
Limestone (%)		≤ 5	-	0-5

[1] According to SS 134202 verified with Isothermal Calorimetry (ICC) according to EN 196-11. [2] According to SS 134204. [3] According to SS 134203. [4] Declared value according to DS/INF 135. [4] Clause 47 of Annex XVII the REACH Regulation. [5] Fly ash according to EN 450-1. The target value for content of fly ash is 14 %.

The maximum storage period is 6 months from the date of packaging for unbroken big bags and 6 months from the date of delivery for silos (bulk).

For further information and handling of cement, see the safety data sheet.

Heidelberg Materials Cement Sverige AB
Email: info.cement.swe@heidelbergmaterials.com
Phone: +46 8 625 68 00
Website: cement.heidelbergmaterials.se

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