



BYGGCEMENT

PRODUCT INFORMATION

CEM II/A-LL 42,5 R

CEMENTA
HEIDELBERGCEMENT Group



CEMENT TYPE AND APPLICATION

Byggcement is a general purpose Portland-limestone cement, CEM II/A-LL 42.5 R, manufactured in Skövde. It has ordinary compressive strength development and is used in standard concrete work, e.g. in house building. Byggcement can be used alone or together with additions such as fly ash, ground granulated blastfurnace slag and silica fume. Technical data can be found on page 2 of this Technical data sheet.



STANDARDS AND CONTROL

Byggcement fulfills the requirements in EN 197-1 Cement-Part 1: Composition, specifications and conformity criteria for common cements. Notified product certification body No 0402 (RISE Research Institutes of Sweden) has issued the certificate of constancy of performance with certificate No. 0402-CPR-101324. The number of Declaration of Performance is 0402-DoP-SE12-101324.



PACKAGING, DISTRIBUTION AND STORAGE

Distribution and delivery takes place in bulk. Storage in an environment that has an element of moist air or direct contact with ground moisture or water damages the cement very quickly (days, weeks). Byggcement must be stored in a dry, sealed silo for a maximum of six months after delivery, as the chromate reduction process gradually loses its effect. It is always the buyer's responsibility to make sure and be able to show that the storage location is dry and sealed, and that the storage time is observed.



GENERAL TERMS OF DELIVERY

The delivery of Byggcement is subject to ABM 07 and Cementa's Special Terms and Conditions.



SAFETY DURING HANDLING

All cement is dangerous to consume and must be stored out of the reach of children. Cement in the eyes creates a risk of serious eye damage. Moist cement forms calcium hydroxide, which irritates the skin and the respiratory organs. For complete information and instructions on protection, see the Material Safety Data Sheet.



PRODUKTFINFORMATION

For the latest updates to the Technical data Sheet, Material Safety Data, EPD and other product information, see our website www.cementa.se.



TECHNICAL DATA

Byggcement fulfills the Technical data below.

On rare occasions the values may deviate from the specified ranges or limits.

GUIDELINE VALUES

Property	Target value	Range	Requirement according to SS-EN 197-1
Compressive strength*			
1 day (MPa)	23	± 3	
2 days (MPa)	35	± 3	≥ 20
28 days (MPa)	55	± 4	≥ 42,5 / ≤ 62,5
Setting time (min)	150	± 30	≥ 60

* Measured on standard mortar according to EN 196-1

OTHER TECHNICAL DATA

Property	Value	Range	Requirement according to SS-EN 197-1
Compact density (kg/m ³)	3080	± 20	
Bulk density (kg/m ³)	1250	± 250	
Blaine fineness (m ² /kg)	490	± 30	
Passing 32 µm (%)	86	± 2	
Alkali, Na ₂ O-ekv (%)	0,97	± 0,1	
Sulfates, SO ₃ (%)	3,7	± 0,3	≤ 4,0
Chloride, Cl ⁻ (%)	0,03	± 0,01	≤ 0,10
Water-soluble chromium Cr ⁶⁺ (PPM) ¹	0-2		≤ 2
Brightness (%)	26	± 1	

¹ Clause 47 of Annex XVII of the REACH Regulation

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