

February 2025

Technical data

Application: SCHWENK CEM II/B-M (S-LL) 52,5 N can be used for the fabrication of concrete according to EN 206. Further applications include the use as a binder in ready mixed mortars and in ground stabilization

Composition: SCHWENK CEM II/B-M (S-LL) 52,5 N is a hydraulic binder according to EN 197-1:2011. The main components of the cement are Portland cement clinker, granulated blast furnace slag and limestone. Additionally, calcium sulfate is added to regulate the setting time. Blast furnace slag is a rest material deriving from pig iron production and has latent hydraulic properties. Blast furnace slag together with limestone gives the cement a low carbon footprint with outstanding performance. A tight quality control during the entire production process ensures a product of constant quality on a high level.

Properties: This cement is low in chromium. By adding a chromate reducing agent to the cement the amount of water-soluble chromium VI is below 2 mg/kg.

Storage and storage time: SCHWENK CEM II/B-M (S-LL) 52,5 N must be stored in a dry environment and must be protected from moisture. Storage time is at least two months under dry, moisture free conditions.

Precautions to follow when handling the cement: read the SDS with care before use of the product

Typical data:

Chemical composition		weight%
Calcium	(CaO)	52,6
Silicium	(SiO ₂)	20
Aluminium	(Al ₂ O ₃)	5,4
Ferrum	(Fe ₂ O ₃)	2,4
Magnesium	(MgO)	4,3
Sulfate	(SO ₃)	3,3
Potassium	(K ₂ O)	0,96
Natrium	(Na ₂ O)	0,21
Alkali content	(Na ₂ O _{eg})	0,88
Water soluble chloride	(Cl ⁻)	0,08
Water soluble chromium	Cr ^(VI)	<2
		mg/kg

Physical data

Fineness (Blaine)		518 m ² /kg
Density		3,03 g/cm ³
Bulk density		1,07 g/cm ³
Setting time		195 min
Soundness		1,2 mm
Compressive strength	1 d	19 MPa
	2 d	33 MPa
	7 d	48 MPa
	28 d	61 MPa


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EN 197-1:2011
CEM II/B-M (S-LL) 52,5 N

The product is controlled and certified (CE marked) according to EN 197-1 by Kiva, Latvia.