

Property of cement	Typical values	Requirement EN 197-1:2011
1d strength	19...25 MPa	none
2d strength	37...45 MPa	≥ 30.0 MPa
7d strength	53...65 MPa	none
28d strength	66...76 MPa	≥ 52.5 MPa
Initial setting time	110...160 min	≥ 45 min
Soundness	0...2 mm	≤ 10 mm
Fineness (Blaine)	390...420 m <sup>2</sup> /kg	none
Loss of ignition	0...2.0%	≤ 5.0%
Insoluble residue	0...0.3%	≤ 5.0%
Sulfate content SO <sub>3</sub>	1.8...2.3%	≤ 4.0%
Chloride Cl-	0...0.04%	≤ 0.10%
Cr6+	0...2 mg/kg	≤ 2 mg/kg

Other main constituents	%	Requirement EN 197-1:2011
Sum of other main constituents	≤ 5%	≤ 5%
Limestone	-	-
Blast furnace slag	-	-

Chemical properties of clinker	%	Requirement EN 197-1
CaO	69%	-
SiO <sub>2</sub>	24%	-
Al <sub>2</sub> O <sub>3</sub>	2.1%	-
Fe <sub>2</sub> O <sub>3</sub>	0.3%	-
MgO	0.7%	-
C3A	≤ 5%	≤ 5%