

Property of cement	Typical values	Requirement EN 197-1:2011
1d strength	12–16 MPa	none
2d strength	23–27 MPa	≥ 10 MPa
7d strength	36–41 MPa	none
28d strength	47–53 MPa	≥ 42,5 MPa and ≤ 62,5 MPa
Initial setting time	150–210 min	≥ 60 min
Soundness	0–1,5 mm	≤ 10 mm
Fineness (Blaine)	400–480 m ² /kg	none
Loss of ignition		none
Insoluble residue		none
Sulfate content SO ₃	3,0–3,3%	≤ 3,5%
Chloride Cl-	≤ 0,08%	≤ 0,10%
Cr6+	0–2 mg/kg	≤ 2 mg/kg

Other main constituents	%	Requirement EN 197-1
Sum of other main constituents	21–35	≥ 21% and ≤ 35%
Limestone	6–20	
Blast furnace slag	6–25	

Chemical properties of clinker	%
CaO	63–65
SiO ₂	20–22
Al ₂ O ₃	4,0–5,4
Fe ₂ O ₃	2,8–3,3
MgO	2,5–3,2