

Property of cement	Typical values	Requirement
1d strength	15...21 MPa	none
2d strength	29...35 MPa	≥ 20 MPa
7d strength	40...46 MPa	none
28d strength	47...53 MPa	≥ 42,5 MPa and ≤ 62,5 MPa
Initial setting time	150...200 min	≥ 60 min
Soundness	0...1,5 mm	≤ 10 mm
Fineness (Blaine)	370...410 m ² /kg	none
Loss of ignition	-	none
Insoluble residue	-	none
Sulfate content SO ₃	2,7...3,1%	≤ 4,0%
Chloride Cl	≤ 0,08%	≤ 0,10%
Cr6+	0...2 mg/kg	≤ 2 mg/kg

Other main constituents	%	Requirement
Sum of other main constituents	2...5%	≤ 5%
Limestone	2...5%	-
Blast furnace slag	0%	-

Chemical properties of clinker	%
CaO	63...65%
SiO ₂	20...22%
Al ₂ O ₃	4,7...5,1%
Fe ₂ O ₃	3,2...3,4%
MgO	2,7...3,2%