

Property of cement	Typical values	Requirement EN 197-1:2011
1d strength	13...16 MPa	none
2d strength	28...32 MPa	≥ 10.0 MPa
7d strength	43...48 MPa	none
28d strength	51...57 MPa	≥ 42.5 MPa and ≤ 62.5 MPa
Initial setting time	160...200 min	≥ 60 min
Soundness	0...3.5 mm	≤ 10 mm
Fineness (Blaine)	310...390 m ² /kg	none
Loss of ignition	1.9...3.6%	≤ 5.0%
Insoluble residue	0.3...0.6%	≤ 5.0%
Sulfate content SO ₃	2.5...2.9%	≤ 3.0%
Chloride Cl-	≤ 0,08%	≤ 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	≤ 5%	-
Blast furnace slag	-	-

Chemical properties of clinker	%	Requirement EN 197-1
CaO	63...67%	-
SiO ₂	20...22%	-
Al ₂ O ₃	3,6...4,3%	-
Fe ₂ O ₃	4,6...5,4%	-
MgO	2,2...3,2%	-
C3A	≤ 3%	≤ 3%

FINNSEMENTTI
A CRH COMPANY

Finnsementti Oy
FI-21600 Parainen | Tel. +358 201 206 200
www.finnsementti.fi | www.semnet.fi
info@finnsementti.fi
name.surname@finnsementti.fi

