

# Rapidsementti

CEMENT

CEM II/A-LL 42,5 R

FEBRUARY 2018 

The cement has the CE mark and complies with the standard SFS-EN 197-1: 2011.

EC-certificate of conformity. Certificate no.

Paraisten Rapidsementti

0416-CPD-4675

Typical properties of cement and clinker:

Property of cement	Typical values	Requirement EN 197-1:2011
1d strength	19...23 MPa	none
2d strength	33...38 MPa	≥ 20,0 MPa
7d strength	43...48 MPa	none
28d strength	50.. 56 MPa	≥ 42,5 MPa ja ≤ 62,5 MPa
Initial setting time	150...200 min	≥ 60 min
Soundness	0...1,5 mm	≤ 10 mm
Fineness (Blaine)	420...500 m <sup>2</sup> /kg	none
Loss of ignition	-	none
Insoluble residue	-	none
Sulfate content SO <sub>3</sub>	3,4...3,8 %	≤ 4,0 %
Chloride Cl <sup>-</sup>	≤ 0,08 %	≤ 0,10 %
Cr <sup>6+</sup>	0...2 mg/kg	≤ 2 mg/kg

Chemical properties of clinker	%	Requirement EN 197-1:2011
CaO	63...65	
SiO <sub>2</sub>	20...22	
Al <sub>2</sub> O <sub>3</sub>	4,7...5,1	
Fe <sub>2</sub> O <sub>3</sub>	3,2...3,4	
MgO	2,7...3,2	
C <sub>3</sub> A		none

Other main constituents	%	Requirement EN 197-1
Sum of other main constituents	6...15 %	≥ 6 % ja ≤ 20 %
Limestone	6...15 %	
Blast furnace slag	0 %	



FINNSEMENTTI

Finnsementti Oy • FI-21600 Parainen • Tel. +358 201 206 200 • Fax +358 201 206 311

[www.finnsementti.fi](http://www.finnsementti.fi)