

SR-sementti

Sulfate resisting cement

CEM I 42,5 N - SR3

CEMENT

FEBRUARY 2018 

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

EC-certificate of conformity. Certificate no.

Lappeenranta SR-sementti

0416-CPD-4679

Typical properties of cement and clinker:

Property of cement	Typical values	Requirement EN 197-1:2011
1d strength	13...16 MPa	none
2d strength	28...32 MPa	≥ 10 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 %
Cr ⁶⁺	0...2 mg/kg	≤ 2 mg/kg

Chemical properties of clinker	%	Requirement EN 197-1:2011
CaO	64...66 %	
SiO ₂	20...22 %	
Al ₂ O ₃	3,1...3,7 %	
Fe ₂ O ₃	3,9...4,2 %	
MgO	2,7...3,5 %	
C ₃ A	≤ 3,0 %	≤ 3,0 %

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



FINNSEMENTTI

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