

QUINN CEMENT

Quinn CEM II/A-L 32,5R General Purpose Cement (Bagged)

A Portland-limestone cement product manufactured in accordance with, and certified to BS EN 197-1:2011. This product complies with the requirements for CE marking (Certification Pending) and operates a Factory Production Control system to attestation level 1+. This product conforms to the European Directive 2003/53/EC which stipulates that a cement may not be placed on the market if it contains more than 2ppm soluble Chromium VI, Ferrous Sulphate is used to control the level of Chromium VI. **This product is marketed as CEM II /A-L 32,5R.**



Physical Properties

Property	Requirement	Range
Surface Area (m ² /Kg)	-	350 - 450
Apparent Particle Density (Kg/m ³)	-	3100 - 3300
Initial Setting Time (mins)	≥ 75 mins	150 - 200
Soundness (mm)	≤ 10 mm	0 - 2.0

Compressive Strength N/mm²

2 day	≥ 10.0	14.0 - 20.0
7 day		25.0 - 30.0
28 day	≥32.5 ≤52.5	34.0 - 40.0

Chemical Properties

Element (oxide of)	Symbol	Unit	Requirement	Range
Silica	SiO ₂	%		16.0 - 20.0
Aluminium	Al ₂ O ₃	%		4.0 - 5.0
Iron	Fe ₂ O ₃	%		2.0 - 3.5
Calcium	CaO	%		62.0 - 66.0
Magnesium	MgO	%		1.0 - 3.0
Sulphur	SO ₃	%	< 3.5	2.7 - 3.0

Other Properties

Loss on Ignition (%)		%		6.0 - 12.0
Insoluble Residue (%)		%		<5.0
Alkali's	Na ₂ eq	%		0.45 - 0.65