

GENERAL SPECIFICATION

COCKBURN HIGH EARLY STRENGTH COCKBURN CRÈME CEMENT – TYPE CC

Values stated within this specification are based upon test results from grab samples. Individual results may from time to time lie outside these ranges and such occurrences should not necessarily be regarded as failure of the sampled batch to conform to this general specification.

Parameter	Method	Units	Typical	Range	AS3972 Limits
Chemical Analysis					
SiO ₂	XRF	%	21.1	20.6 – 21.6	3.5% max
Al ₂ O ₃	XRF	%	4.5	4.2 – 4.8	
Fe ₂ O ₃	XRF	%	0.5	0.4 – 0.6	
CaO	XRF	%	65.4	6.4 – 66.4	
MgO	XRF	%	2.4	2.2 – 2.6	
SO ₃	XRF	%	2.4	2.2 – 2.6	
LOI	AS2350.2	%	2.5	1.5 – 3.0	
Chloride	ASTM C114	%	0.01	0.005 – 0.015	
Na ₂ O equiv	XRF	%	0.4	0.3 – 0.5	
Fineness Index	AS2350.8	m ² /kg	410	380 – 440	
Normal Consistency	AS2350.3	%	29	28 – 30	
Setting Times					
Initial	AS2350.4	mins	105	75 – 135	45 mins min
Final	AS2350.4	mins	180	150 – 210	6 hrs max
Soundness	AS2350.5	mm	1.0	0 – 2.0	5mm max
*Compressive Strengths					
3 Day	AS2350.11	MPa	47	43 – 51	25 MPa 40 MPa
7 Day	AS2350.11	MPa	53	49 – 57	
28 Day	AS2350.11	MPa	64	60 - 68	

*Normen standard sand used