

Crete HE (ex Kwinana)

Product Data Sheet

Nominal Composition

Component	%	AS3972
Portland cement	>95	>92.5
Limestone	<7.5	<7.5

Physical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS3972 limit	Test Method	
Setting Time	Initial	min	60	105	135	>45	AS2350.4
	Final	min	135	150	180	<360	AS2350.4
Soundness	mm	0	1	3	<5	AS2350.5	
Compressive Strength	3 day	MPa	35	38	44		AS2350.11
	7 day	MPa	44	48	54	>35	AS2350.11
	28 day	MPa	55	60	65	>45	AS2350.11
Fineness	m ² /kg	380	410	440		AS2350.8	

Chemical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS3972 limit	Test Method
CaO	%	64.5	65.2	66.0		AS2350.2
SiO ₂	%	21.9	22.4	22.8		AS2350.2
Al ₂ O ₃	%	3.3	3.55	3.8		AS2350.2
Fe ₂ O ₃	%	0.4	0.5	0.6		AS2350.2
MgO	%	0.9	1.0	1.2		AS2350.2
SO ₃	%	2.6	2.9	3.2	<3.5	AS2350.2
Na ₂ O equivalent	%	0.4	0.5	0.6		AS2350.2
Chloride	%	0.005	0.01	0.02	<0.10	AS2350.2
Loss on ignition	%	2.5	3.2	4.0		AS2350.2

¹ – Results for minimum and maximum values indicate 95% confidence interval limits. Individual sample results may fall outside the values stated above.

Member Company



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