

Grey HE (ex Munster)

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	90	105	150	>45	AS2350.4
	Final	135	165	210	<360	AS2350.4
Soundness	mm	0	1	2	<5	AS2350.5
Compressive Strength	3 day	38	42	45	>25	AS2350.11
	7 day	49	52	56	>40	AS2350.11
	28 day	61	64	68		AS2350.11
Fineness	m ² /kg	430	450	480		AS2350.8

Chemical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS3972 limit	Test Method
CaO	%	62.8	64.0	65.0		AS2350.2
SiO ₂	%	19.5	20.1	20.8		AS2350.2
Al ₂ O ₃	%	4.8	5.3	5.6		AS2350.2
Fe ₂ O ₃	%	2.6	2.9	3.3		AS2350.2
MgO	%	1.1	1.3	1.5		AS2350.2
SO ₃	%	2.3	2.8	3.2	<3.5	AS2350.2
Na ₂ O equivalent	%	0.4	0.5	0.6		AS2350.2
Chloride	%	0.005	0.018	0.03	<0.10	AS2350.2
Loss on ignition	%	1.0	2.0	3.0		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

