

# Product Data

## AS3972 General Purpose Cement Type GP

### Grey GP (ex Kwinana)



# Product Data Sheet

#### Nominal Composition

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

#### Physical Properties

Parameter	Units	Minimum <sup>1</sup>	Typical	Maximum <sup>1</sup>	AS3972 limit	Test Method
Setting Time	Initial	90	120	150	>45	AS2350.4
	Final	150	180	210	<360	AS2350.4
Soundness	mm	0	1	3	<5	AS2350.5
Compressive Strength	3 day	32	37	42		AS2350.11
	7 day	44	49	53	>35	AS2350.11
	28 day	56	62	67	>45	AS2350.11
Fineness	m <sup>2</sup> /kg	350	380	420		AS2350.8

#### Chemical Properties

Parameter	Units	Minimum <sup>1</sup>	Typical	Maximum <sup>1</sup>	AS3972 limit	Test Method
CaO	%	62.0	63.5	65		AS2350.2
SiO <sub>2</sub>	%	20	20.6	21.2		AS2350.2
Al <sub>2</sub> O <sub>3</sub>	%	4.8	5.2	5.6		AS2350.2
Fe <sub>2</sub> O <sub>3</sub>	%	2.7	3.0	3.3		AS2350.2
MgO	%	1.0	1.2	1.5		AS2350.2
SO <sub>3</sub>	%	2.1	2.5	2.9	<3.5	AS2350.2
Na <sub>2</sub> O equivalent	%	0.4	0.5	0.6		AS2350.2
Chloride	%	0.005	0.015	0.03	<0.10	AS2350.2
Loss on ignition	%	1.5	2.3	3.0		AS2350.2

<sup>1</sup> – 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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