



Product Data and Composition

AS3972 Type GP Cement

Product Name: GP – General Purpose Cement.

Product Composition:

Chemical Component	%	AS3972 Standard
Portland Cement	>94	>92.5
Limestone	<6	<7.5
Gypsum	<6	
Additional Chemical Components	<1	

Physical Properties:

Parameter	Units	Minimum	Typical	Maximum	AS3972 Limit	Test Method
Setting Time	Initial	90	129	160	>45	AS2350.4
	Final					150
Soundness	mm	0	1.1	2	<5	AS2350.5
Compressive Strength	3 Day	32	35.5	40	>35	AS2350.11
	7 day	46	50.5	54.5		AS2350.11
	28 day	62.5	66.9	73.6		>45
Fineness	m ² /kg	320	360	400		AS2350.8

Chemical Properties:

Parameter	Units	Minimum	Typical	Maximum	AS3972 Limit	Test Method
SiO ₂	%	19.8	21.3	22.7		AS2350.2
Al ₂ O ₃	%	4.33	4.68	5.12		AS2350.2
Fe ₂ O ₃	%	3.55	3.7	3.88		AS2350.2
CaO	%	64.2	64.3	64.6		AS2350.2
MgO	%	.78	.86	1.08		AS2350.2
Na ₂ O	%	.02	.08	.18		AS2350.2
SO ₃	%	2.6	2.83	3.08	<3.5	AS2350.2
LOI	%	1	1.37	1.9	<3	AS2350.2
Chloride	%	.009	.013	.022	<.10	AS2350.2

*Calculated Minimum and Maximum values are indicative of historical product data. Ongoing individual sample results may fall outside of the indicative results stated above.