

## Type GP (General Purpose Portland Cement)

### NZS 3122:2009

Shipment	Depot	LOI	Fineness	Normal Consistency	I-Set	F-Set	Sound	NaEq	SO <sub>3</sub>	Cl	45µm	I-3D	I-7D	I-28D	
Date	#	%	m <sup>2</sup> /kg	%	min	h:mm	mm	%	%	%	%	MPa	MPa	MPa	
16/10/2023	1	Clifton	3.40	380	31.2	150	3:30	0	0.40	2.6	0.05	4.7	38.3	48.6	60.0
08/11/2023	1	Clifton	2.80	404	30.8	120	3:15	2	0.51	2.5	-	3.4	46.7	55.7	65.8
17/02/2024	1	Clifton	3.77	440	31.7	135	3:45	1	0.60	2.4	-	2.9	44.8	58.6	65.4
23/02/2024	2	Clifton	2.18	405	31.7	120	3:30	1	0.51	2.4	-	3.1	39.8	46.3	55.1
11/03/2024	1	Clifton	3.49	400	30.8	135	4:00	0	0.49	2.4	-	2.2	41.0	49.7	58.1
17/04/2024	2	Clifton	2.10	360	31.2	105	2:45	1	0.30	2.5	0.03	2.8	37.0	55.4	64.4
19/04/2024	2	Clifton	2.16	425	33.3	135	3:30	0	0.45	2.5	-	2.2	38.5	54.2	67.1
02/05/2024	2	Clifton	2.30	390	31.0	75	3:15	1	0.55	2.4	-	1.9	41.8	57.1	69.0
10/06/2024	2	Clifton	2.25	395	31.8	135	3:45	1	0.46	2.7	-	2.4	45.1	55.8	71.0
01/07/2024	2	Clifton	2.18	400	31.7	120	3:15	1	0.45	2.7	-	1.7	39.2	53.1	68.1
23/07/2024	3	McAlpine	2.85	415	31.5	165	4:00	1	0.50	3.1	-	1.6	43.6	58.4	71.5
31/07/2024	2	Clifton	2.24	390	30.3	120	3:30	1	0.53	2.3	-	2.6	43.0	60.6	72.5
02/09/2024	4	McAlpine	1.91	365	30.6	135	4:00	1	-	-	-	1.4	36.4	-	-
03/09/2024	2	Clifton	1.96	395	30.2	120	3:30	0	-	-	-	1.7	40.4	57.3	-
13/09/2024	4	Clifton	-	385	30.2	180	4:15	1	-	-	-	2.4	38.9	-	-
Mean			2.5	397	31.2	130	3:35	0.8	0.48	2.5		2.5	41.0	54.7	65.7
Std Dev			0.6	21	0.8	24.5	0:23	0.6	0.1	0.2		0.8	3.1	4.2	5.5
NZS 3122:2009						minimum	maximum	maximum	maximum	maximum				minimum	minimum
Type GP						45	6:00	5	0.64	3.5				35	45
Samples are tested as received and are tested in accordance with NZS3122:2009 & AS2350:2006.															
All testing performed by an IANZ / NATA approved Laboratory.															
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New Zealand Independent Cement  
25 Esk Street, Level 6, Invercargill, New Zealand

Name: Bob Officer  
Position: National Technical Manager



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