



CERTIFICATE OF QUALITY

EverSure™ Type GP Cement

NZS3122:2009 (Bulk Despatch)



Issued to: National Sales Manager

Test Report No: 22#82

info@goldenbay.co.nz

Code	Week Ending / Voyage	Specific Surface Area	Normal Consistency	Initial Set	Final Set	Soundness	Compressive Strength						Free Lime	Sodium Equivalent (NaEq)	Sulphur Trioxide (SO3)	
							ISO CEN			Concrete						
							3 days	7 days	28 days	Slump	3 days	7 days				28 days
Mean		337	29.2	142	3:53	1	29.4	42.5	65.1	89	23.3	33.3	49.0	2.1	0.56	2.2
Standard Deviation		13	0.4	9	0:16	0	1.3	1.8	1.3	10	2.4	2.7	1.9	0.2	0.02	0.04
Min		320	28.3	120	3:30	0	26.9	39.6	63.2	70	19.9	28.0	44.7	1.8	0.52	2.1
Max		360	30.4	150	4:30	2	31.6	45.5	67.8	100	26.9	37.7	50.5	2.4	0.59	2.3
NZS 3122:2009 Requirements				45 min	6:00 max	5 max		35.0 min	45.0 min						0.6 max	3.5 max
Units		m2/kg	%	minutes	hrs:mins	mm	MPa	MPa	MPa	mm	MPa	MPa	MPa	%	%	%
220902-015-GP	02/09/22	340	28.3	135	4:00	1	28.4	40.2		80	25.9			1.9	0.54	2.2
220901-013-GP	01/09/22	345	29.5	135	3:30	1	28.7	42.0						2.0	0.52	2.2
220825-712-GP	25/08/22	320	28.7	150	3:45	2	28.6	40.6		80	25.5	35.9		1.9	0.54	2.2
220823-714-GP	23/08/22	325	28.8	135	3:45	1	28.6	39.6						2.1	0.54	2.2
220820-449-GP	20/08/22	335	28.8	150	3:45	1	28.4	41.5		90	24.8	35.1		2.0	0.53	2.3
220814-083-GP	14/08/22	350	29.4	135	3:30	2	28.6	41.8	66.1					2.2	0.52	2.2
220811-081-GP	11/08/22	320	29.6	135	4:00	2	27.2	40.8	63.2	100	19.9	28.0		2.2	0.52	2.2
220805-762-GP	05/08/22	355	29.2	135	4:00	2	28.1	41.2	63.9	85	20.9	31.4	50.4	2.0	0.54	2.2
220803-764-GP	03/08/22	350	29.2	135	4:00	2	26.9	39.6	63.2					2.4	0.53	2.2
220730-547-GP	30/07/22	355	29.5	150	3:45	2	28.8	40.1	63.5					2.3	0.57	2.3
220728-545-GP	28/07/22	360	29.0	150	4:00	0	30.8	42.7	66.5	80	25.7	34.6	50.3	1.9	0.56	2.2
220722-026-GP	22/07/22	330	29.2	150	4:00	1	30.0	44.9	66.0					1.8	0.56	2.2
220718-021-GP	18/07/22	340	29.1	150	4:00	1	31.1	43.7	64.3	70	26.9	37.7	48.8	1.9	0.58	2.2
220713-838-GP	13/07/22	345	29.2	135	3:30	0	30.1	45.5	67.6					1.9	0.58	2.3
220710-836-GP	10/07/22	345	28.8	150	4:30	1	31.6	44.4	65.3	100	20.7	30.2	44.7	1.8	0.58	2.2
220706-670-GP	06/07/22	325	29.2	135	3:45	1	31.1	43.8	64.6	90	23.5	35.5	50.5	2.0	0.58	2.2
220704-677-GP	04/07/22	320	29.2	135	3:30	1	30.4	43.8	64.8					1.8	0.56	2.2
220630-441-GP	30/06/22	340	29.2	150	3:45	1	30.2	45.4	65.3	90	23.0	33.1	50.0	2.2	0.59	2.3
220629-439-GP	29/06/22	320	29.3	135	3:45	1	28.9	43.9	67.8					2.2	0.58	2.1
220626-136-GP	26/06/22	335	30.0	150	4:30	1	29.1	41.8	65.1	100	20.1	31.9	47.9	2.3	0.57	2.2
220617-574-GP	17/06/22	325	29.0	120	4:00	1	30.0	43.5	64.9					2.4	0.57	2.2
220612-570-GP	12/06/22	355	30.4	150	4:00	1	31.2	44.6	65.3	90	23.5	33.4	49.9	2.3	0.56	2.2
220606-259-GP	06/06/22	335	29.3	150	4:15	1	29.4	42.4	63.8					2.0	0.58	2.3
220604-257-GP	04/06/22	335	29.3	150	4:00	1	28.8	41.7	65.8	100	22.6	32.7	48.3	1.8	0.55	2.2
220602-135-GP	02/06/22	320	29.4	150	3:45	2	30.1	43.6	64.9					2.2	0.56	2.2

The above samples were tested as received in accordance with the current terms of accreditation and methods stated in NZS 3122:2009 with the exception of:

Chemical composition to ASTM C114-18

- Concrete Compressive Strength test results outside the scope of accreditation

Sample Retested

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Raki Harding
Quality Manger



Portland Works, Portland, Whangarei 0178

Date issued: 12/09/2022

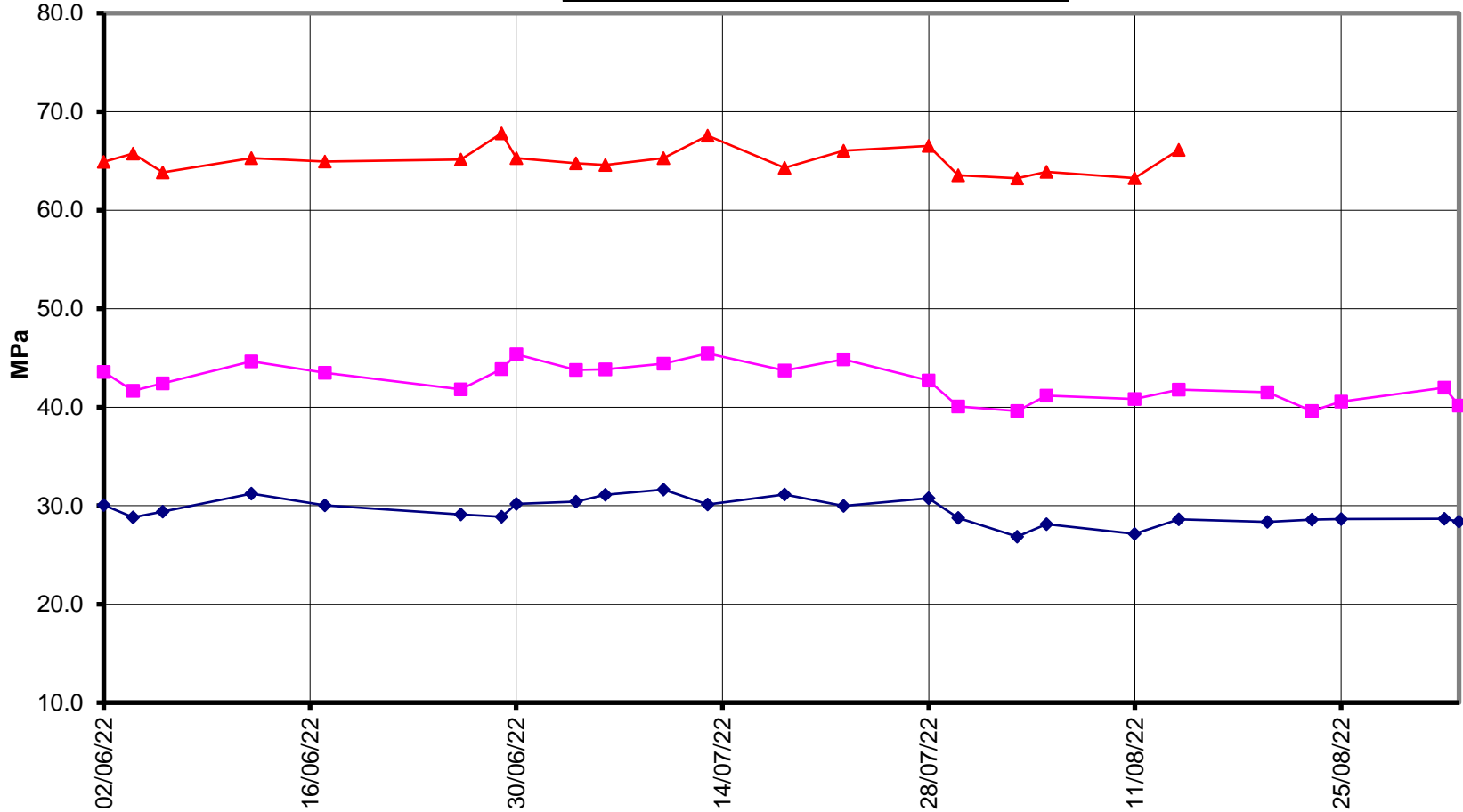
Page 1 of 3



**EverSure™
Type GP Cement**



**Compressive Strength ISO-CEN Mortar
(Bulk Dispatch)**



Date





EverSure™ Type GP Cement



Compressive Strength Concrete (Bulk Dispatch)

—x— 28 Days —■— 7 Days —◆— 3 Days —x— Slump

