



CERTIFICATE OF QUALITY

EverSure™ Type GP Cement

NZS3122:2009 (Bulk Despatch)



Issued to: National Sales Manager

Test Report No: 21#167

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)
							ISOCEN			Concrete						
							3 days	7 days	28 days	Slump	3 days	7 days	28 days			
Mean		339	29.3	128	3:30	1	30.6	42.9	65.3	95	23.0	33.0	47.0	2.2	0.55	2.2
Standard Deviation		9	0.2	11	0:11	0	0.9	1.4	1.0	7	1.5	1.8	1.7	0.3	0.01	0.06
Min		325	28.8	105	3:00	0	28.6	40.4	63.6	90	20.8	29.5	43.4	1.5	0.53	2.2
Max		360	29.5	150	3:45	2	31.8	44.9	66.8	110	25.7	35.5	48.7	3.0	0.58	2.4
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	%	%	%
210816-411-GP	16/08/21	325	28.8	135	3:45	1	29.6			100	22.0			2.1	0.55	2.2
210811-938-GP	11/08/21	345	28.8	135	3:30	1	29.9	44.9						1.9	0.56	2.2
210808-936-GP	08/08/21	335	29.0	150	3:45	1	30.1	41.2		100	20.9	31.2		1.5	0.56	2.2
210806-591-GP	06/08/21	340	29.1	135	3:45	2	29.0	40.4						2.4	0.56	2.2
210801-588-GP	01/08/21	350	29.1	135	3:45	1	28.6	40.9		90	23.3	34.7		2.2	0.54	2.2
210730-453-GP	30/07/21	330	29.1	135	3:45	1	31.2	40.9						2.3	0.55	2.2
210725-283-GP	25/07/21	325	29.3	135	3:30	1	31.3	42.1		110	23.3	32.9		2.1	0.56	2.2
210722-075-GP	22/07/21	345	29.4	105	3:30	1	29.4	41.6	65.3	100	20.8	33.9	48.6	2.0	0.58	2.2
210720-077-GP	20/07/21	340	29.4	120	3:30	1	29.9	42.4	65.0					2.3	0.58	2.2
210716-927-GP	16/07/21	340	29.4	120	3:30	0	30.6	42.8	63.9					2.2	0.56	2.2
210713-718-GP	13/07/21	335	29.4	120	3:30	1	30.8	44.4	66.5	90	25.7	35.5	48.0	2.1	0.56	2.2
210708-408-GP	08/07/21	335	29.3	135	3:45	1	30.9	44.2	66.1	90	23.1	34.8	47.9	2.2	0.57	2.2
210701-292-GP	01/07/21	335	29.2	120	3:30	1	31.2	44.4	64.7	90	23.5	31.6	46.3	2.3	0.57	2.3
210628-294-GP	28/06/21	330	29.3	120	3:15	1	30.5	44.6	66.1					2.4	0.57	2.2
210623-681-GP	23/06/21	325	29.4	135	3:45	1	31.8	42.2	65.1	90	21.5	30.8	48.7	2.3	0.53	2.2
210620-683-GP	20/06/21	330	29.4	135	3:30	1	31.6	42.1	66.0					2.7	0.54	2.2
210617-377-GP	17/06/21	360	29.5	120	3:15	2	29.8	42.0	63.6					3.0	0.54	2.3
210614-374-GP	14/06/21	355	29.4	120	3:30	2	30.3	43.4	64.4	100	22.9	29.5	43.4	2.6	0.54	2.2
210612-062-GP	12/06/21	345	29.3	135	3:30	1	31.3	43.4	66.3					2.2	0.55	2.3
210609-060-GP	09/06/21	350	29.4	135	3:30	2	31.3	44.1	65.9	100	25.2	33.7	46.7	2.2	0.54	2.2
210601-655-GP	01/06/21	340	29.3	135	3:15	2	30.3	44.5	66.8	90	23.6	33.6	45.3	2.0	0.55	2.2
210530-657-GP	30/05/21	350	29.3	135	3:30	2	30.3	44.3	64.7					2.1	0.54	2.2
210528-291-GP	28/05/21	345	29.4	105	3:00	1	31.6	43.7	64.1					2.3	0.56	2.4
210524-289-GP	24/05/21	335	29.3	120	3:15	2	31.5	43.6	66.3	90	23.6	33.9	47.8	2.3	0.55	2.4
210521-984-GP	21/05/21	340	29.3	135	3:30	1	31.1	42.6	65.2					2.2	*0.51	*2.5

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	
#	No result available at time of certificate issue
*	Tested by SpectraChem Analytical - Verum Group

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Raki Harding
Technical Manager



Portland Works, Portland, Whangarei 0178

Date issued: 27/08/2021

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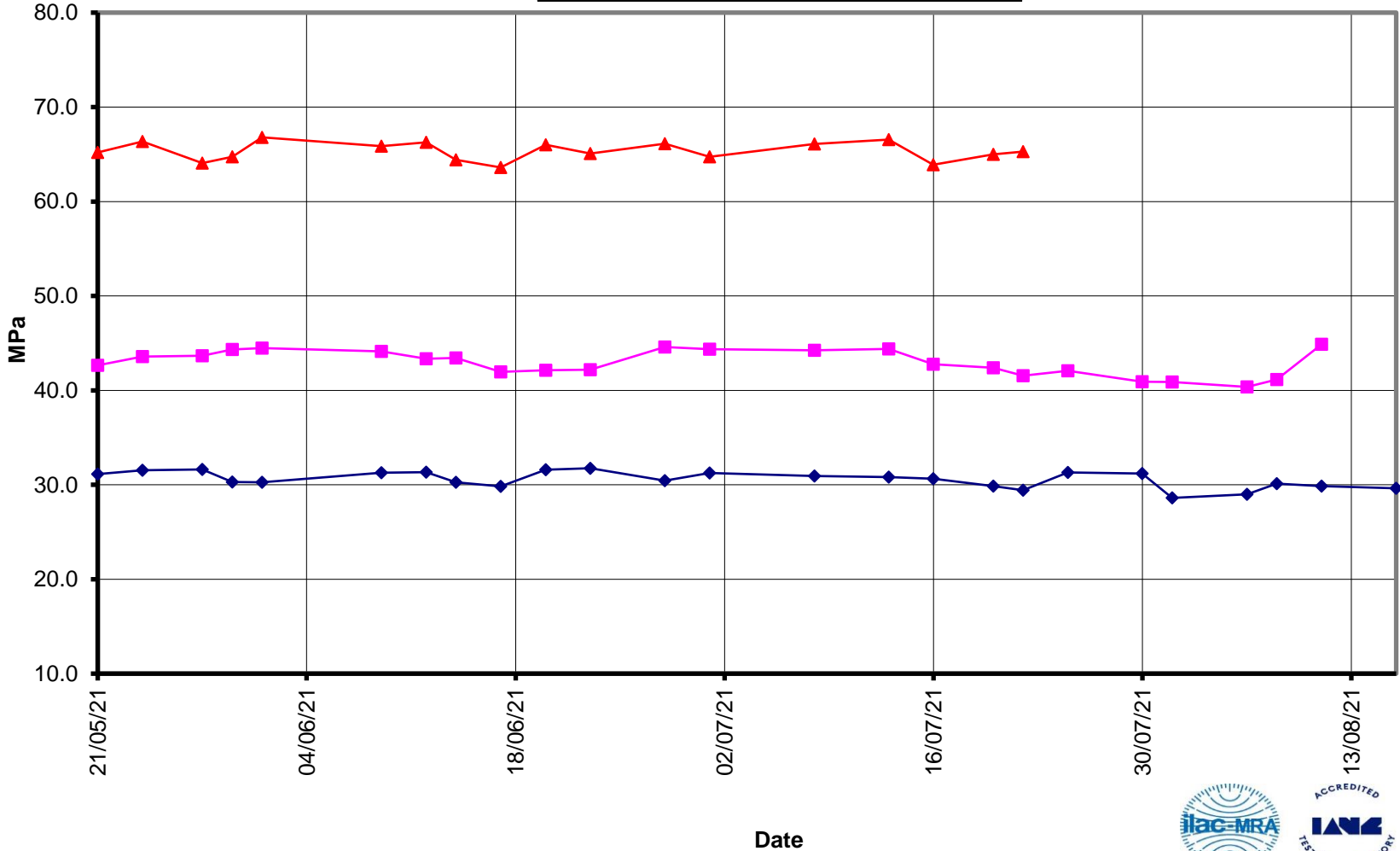


EverSure™ Type GP Cement



Compressive Strength ISO-CEN Mortar (Bulk Dispatch)

28 Days 7 Days 3 Days





EverSure™ Type GP Cement



Compressive Strength Concrete (Bulk Dispatch)

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

