



CERTIFICATE OF QUALITY

EcoSure® Type GP Cement



NZS3122:2009 (Bulk & Bag Dispatch)

Issued to: National Sales Manager

Test Report No:

25#139

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 (SO ₃)
							ISOCEN			Concrete						
							3 days	7 days	28 days	Slump	3 days	7 days	28 days			
Mean		385	29.1	160	3:58	1	35.3	48.0	63.6	91	29.1	39.3	50.1	1.5	0.54	2.32
Standard Deviation		11	0.5	10	0:10	0.4	0.9	1.1	1.2	8	2.7	3.9	4.2	0.2	0.02	0.04
Min		365	27.8	150	3:45	0	33.7	45.9	61.5	80	25.0	32.5	44.5	1.3	0.51	2.25
Max		405	29.8	180	4:30	2	37.1	49.6	65.6	110	35.0	47.0	57.0	2.1	0.58	2.39
NZS 3122:2009 Requirements				45 min	6:00 max	5 max		35.0 min	45.0 min						0.6 max	3.5 max
Units		m ² /kg	%	minutes	hrs:mins	mm	MPa	MPa	MPa	mm	MPa	MPa	MPa	%	%	%
250902-653	02/09/25	365	29.1	165	4:00	1	36.7			100	27.5			1.6	0.55	2.31
250829-421	29/08/25	385	29.1	150	4:00	1	36.0	48.9						1.4	0.56	2.32
250825-419	25/08/25	395	29.1	150	4:00	1	34.6	46.7		90	27.0	39.0		1.5	0.55	2.32
250816-019	16/08/25	385	29.1	165	4:00	2	35.4	47.4		90	28.0	38.5		1.5	0.55	2.38
250812-711	12/08/25	370	29.1	150	3:45	1	37.1	49.3		90	29.5	41.5		1.3	0.55	2.33
250810-880	10/08/25	370	29.1	150	3:45	1	36.4	49.6						1.6	0.56	2.32
250803-472	03/08/25	375	29.1	150	4:30	1	34.7	47.8	64.3	90	27.0	37.0	47.0	1.4	0.55	2.28
250731-291	31/07/25	370	29.1	150	3:45	1	35.4	48.8	65.6	100	28.0	37.5	44.5	1.5	0.54	2.26
250724-893	24/07/25	400	29.1	150	4:00	0	34.7	47.6	63.6	90	30.0	37.0	49.0	1.5	0.53	2.33
250719-722	19/07/25	395	29.1	165	4:00	0	34.4	46.7	62.0	100	30.5	43.0	52.0	1.4	0.52	2.30
250706-286	06/07/25	390	29.1	165	4:00	0	35.4	46.6	62.5	90	27.0	35.0	48.0	1.6	0.52	2.34
250702-068	02/07/25	385	28.8	165	4:00	1	35.2	48.8	63.4	80	28.5	39.0	48.0	1.5	0.51	2.31
250628-016	28/06/25	375	28.7	165	3:45	1	35.1	47.4	61.7					1.4	0.54	2.33
250624-707	24/06/25	390	28.8	150	4:15	1	35.9	48.3	63.5	100	26.0	33.5	45.0	1.5	0.54	2.39
250621-499	21/06/25	375	27.8	150	3:45	1	34.0	47.7	63.0	100	27.5	39.0	49.5	1.3	0.54	2.29
250608-041	08/06/25	390	29.0	165	3:45	1	34.8	46.9	62.2	80	30.5	41.0	52.0	1.5	0.55	2.35
250601-735	01/06/25	395	28.5	150	4:00	1	35.5	49.2	63.9	80	35.0	47.0	54.5	1.4	0.54	2.32
250528-481	28/05/25	380	28.5	165	4:00	1	34.2	47.7	64.7	90	27.5	37.0	45.0	1.5	0.54	2.33
250520-086	20/05/25	390	28.5	180	4:00	0	35.3	48.8	63.6	90	28.5	37.0	50.5	1.6	0.55	2.25
250512-934	12/05/25	405	29.7	180	4:15	1	34.6	45.9	65.3	80	33.0	42.0	55.0	1.5	0.53	2.32
250510-936	10/05/25	390	29.8	180	4:00	1	36.3	49.3	64.3					1.5	0.55	2.28
250504-805	04/05/25	400	29.7	165	4:00	2	34.7	47.5	64.4	110	25.0	32.5	44.5	2.1	0.54	2.36
250427-406	27/04/25	380	29.8	165	3:45	1	33.7	46.4	61.5	90	28.5	39.0	56.0	1.9	0.56	2.25
250423-116	23/04/25	390	29.8	165	4:00	1	36.4	49.1	64.3	80	34.0	45.0	57.0	1.4	0.56	2.32
250419-958	19/04/25	380	29.7	150	4:00	1	36.8	49.2	65.0	90	32.5	45.5	53.5	1.6	0.58	2.30

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 C114-23

All concrete testing conducted in accordance with NZS 3112:1986.

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V. Lane

Vincent Lane
Works Chemist



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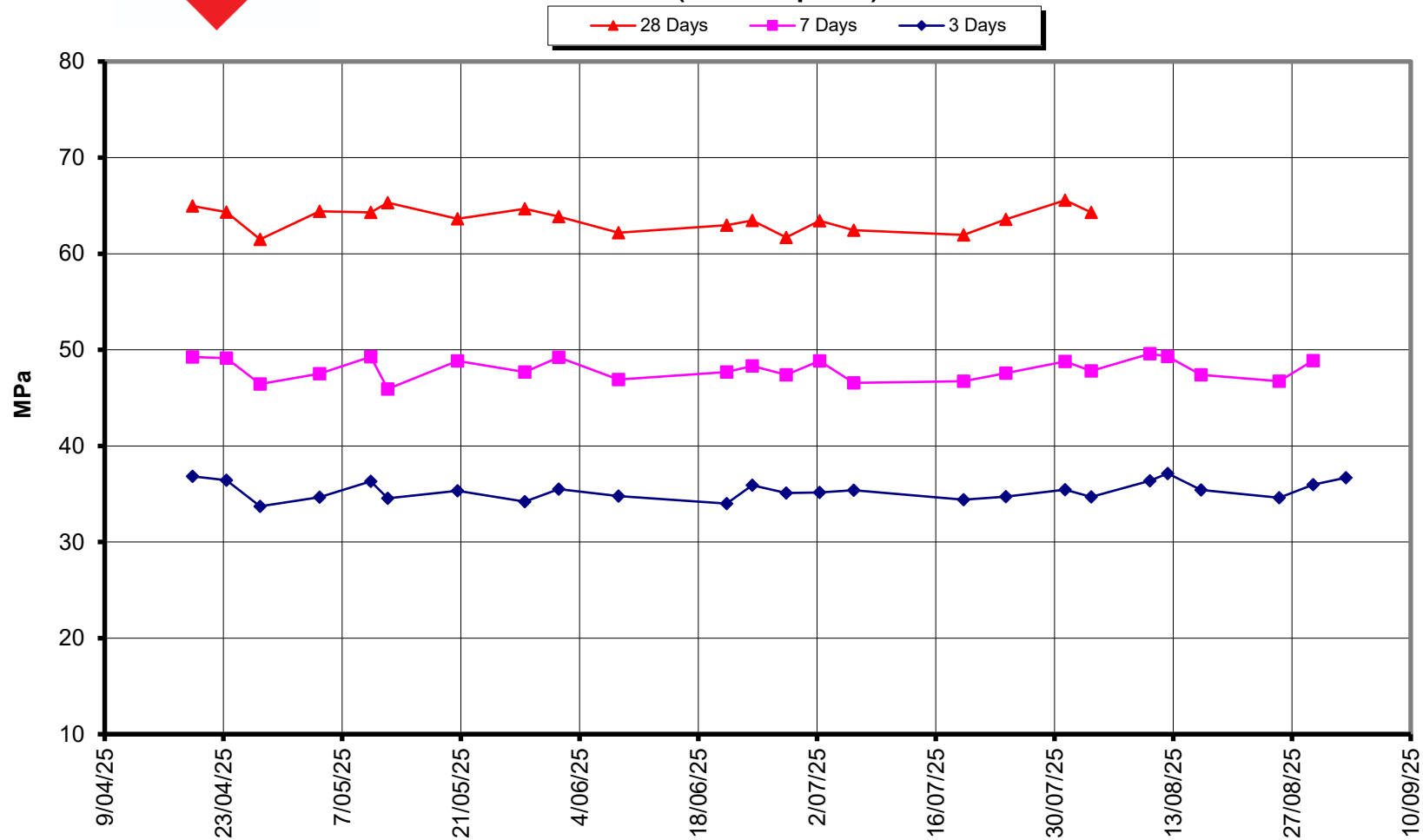
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EcoSure® Type GP Cement

Compressive Strength ISO-CEN Mortar (Bulk Dispatch)





EcoSure® Type GP Cement

Compressive Strength Concrete (Bulk Dispatch)

