CERTIFICATE OF QUALITY

EcoSure® Type GP Cement

NZS3122:2009 (Bulk & Bag Dispatch)

EcoSure® NZ's lowest carbon GP cement

Issued to: ***National Sales Manager*** ***Test Report No:*** ***26#161*** info@goldenbay.co.nz

Code	Week Ending / Voyage	Specific Surface Area	Normal Consistency	Initial Set	Final Set	Sound-ness	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		384	30.1	158	3:56	1	36.0	49.6	67.0	90	27.6	35.7	47.1	1.6	0.53	2.33
Standard Deviation		8	0.5	13	0:15	0.3	1.0	1.2	1.2	6	1.4	1.6	1.9	0.3	0.01	0.02
Min		370	29.0	120	3:30	0	33.3	46.5	64.6	80	25.5	34.0	45.0	0.9	0.52	2.26
Max		400	30.8	180	4:15	2	38.2	52.0	70.3	100	29.5	39.0	50.0	2.2	0.55	2.37
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	%	%	%
261002-246-GP	02/10/26	385	30.8	165	4:15	1	36.4	49.8						1.7	0.55	2.34
260925-007-GP	25/09/26	400	30.8	180	4:15	0	35.8	48.7						1.9	0.54	2.36
260923-005-GP	23/09/26	380	30.8	180	4:15	1	35.6	47.9		80	27.5	37.0		1.7	0.53	2.35
260921-628-GP	21/09/26	390	30.8	165	4:15	2	34.3	47.6						2.2	0.53	2.34
260919-626-GP	19/09/26	390	30.8	165	4:00	2	33.3	46.5		100	26.0	34.5		2.0	0.52	2.31
260914-399-GP	14/09/26	390	30.0	150	4:00	1	34.9	49.6	68.4					2.0	0.53	2.34
260912-397-GP	12/09/26	380	30.0	150	4:15	1	35.7	49.0	66.1	90	25.5	34.0		1.9	0.53	2.34
260906-100-GP	06/09/26	390	29.7	150	4:00	1	35.9	50.0	66.5					2.0	0.53	2.33
260904-098-GP	04/09/26	380	30.0	150	3:45	1	34.9	48.2	64.6	90	28.5	37.0	46.0	1.8	0.53	2.29
260903-759-GP	03/09/26	370	29.5	120	3:30	1	35.7	48.0	65.3	80	28.0	34.5	50.0	1.9	0.52	2.34
260827-756-GP	27/08/26	380	29.3	135	3:30	1	36.7	50.2	66.7					1.5	0.52	2.32
260821-477-GP	21/08/26	385	29.7	150	3:45	1	37.5	52.0	70.3					1.2	0.53	2.26
260815-247-GP	15/08/26	375	29.8	150	3:45	1	37.5	50.5	67.9	90	28.0	34.0	49.0	1.5	0.53	2.37
260813-249-GP	13/08/26	380	29.6	150	3:45	1	35.9	50.4	67.3					1.5	0.54	2.33
260811-860-GP	11/08/26	385	29.0	165	3:45	1	36.1	49.8	66.7	90	29.5	36.0	46.5	1.3	0.52	2.35
260809-862-GP	09/08/26	380	29.7	165	3:30	1	36.5	50.8	66.5					0.9	0.54	2.32
260805-539-GP	05/08/26	375	30.3	165	4:00	1	36.1	49.2	66.3	90	29.5	39.0	49.0	1.4	0.53	2.33
260803-541-GP	03/08/26	370	30.1	165	3:45	1	36.3	49.9	67.3					1.3	0.52	2.34
260726-243-GP	28/07/26	395	30.2	165	4:00	1	36.2	50.3	66.2					1.6	0.55	2.32
260726-238-GP	26/07/26	395	30.3	165	4:00	1	36.4	50.5	66.3	90	28.5	35.0	45.5	1.5	0.54	2.33
260722-898-GP	22/07/26	390	30.4	165	4:00	1	36.3	51.1	68.2	90	26.0	37.0	45.0	1.3	0.53	2.28
260720-904-GP	20/07/26	380	29.9	150	4:15	1	36.1	49.8	67.4					1.5	0.54	2.33
260718-589-GP	18/07/26	390	30.2	150	4:00	1	38.2	50.5	65.9	100	26.5	35.0	46.0	1.6	0.54	2.31
260711-585-GP	11/07/26	375	30.5	165	4:15	1	36.8	50.2	67.4					1.5	0.54	2.31
260709-587-GP	09/07/26	395	30.5	165	3:45	1	36.1	50.3	67.7					1.5	0.53	2.31

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.

Re-test

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Marley Korach-Salt
Chemical Technician

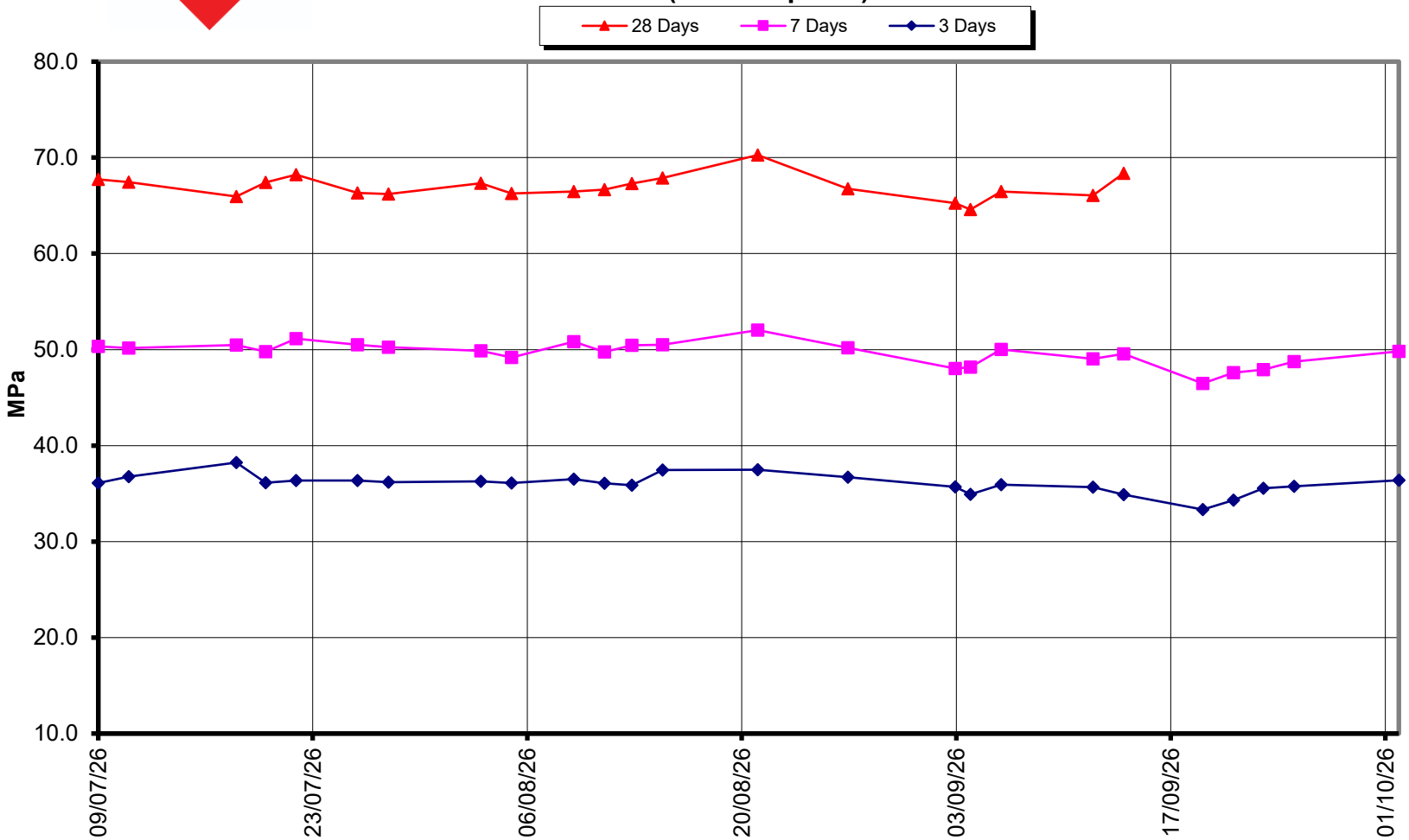
Portland Works, Portland, Whangarei 0178

Date issued: 19/10/2026

EcoSure® Type GP Cement

EcoSure
NZ's lowest carbon GP cement

Compressive Strength ISO-CEN Mortar (Bulk Dispatch)



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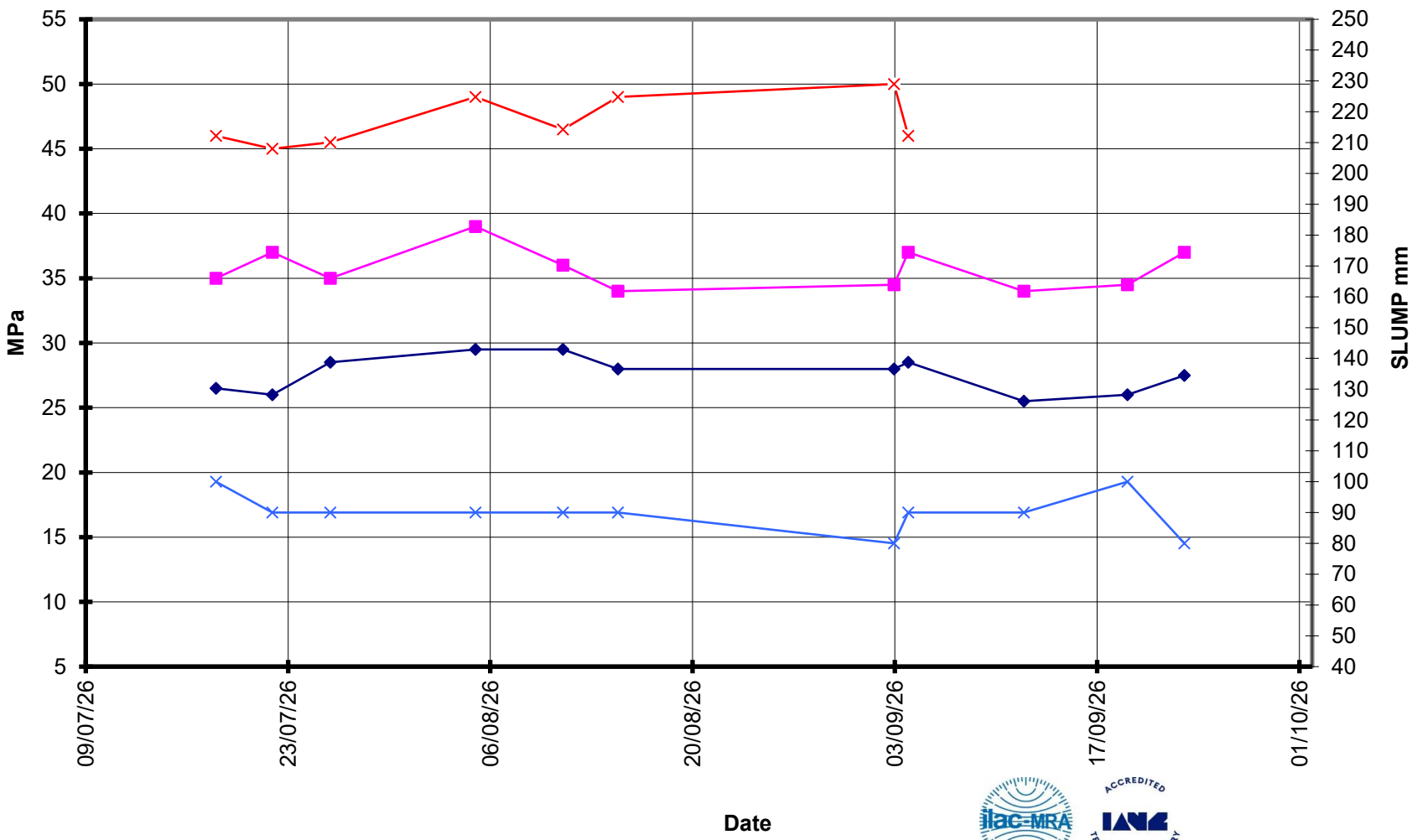
Compressive Strength Concrete (Bulk Dispatch)

EcoSure
NZ's lowest carbon GP cement



ACCREDITED ilac-MRA IANZ TESTING LABORATORY Nº 455, 456

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