CERTIFICATE OF QUALITY

EverFast™ Type HE Cement

NZS 3122:2009

Our NZ made cement is genuine NZ grade cement.

Issued to: Technical Sales Manager

Test Report No: 20#126

info@goldenbay.co.nz

Code	Week Ending	Specific Surface Area	Normal Consistency	Initial Set	Final Set	Sound-ness	Compressive Strength									Free Lime	Sodium Equivalent (NaEq)	Sulphur Trioxide (SO3)
							ISO-CEN				Concrete							
							1 Day	3 days	7 days	28 days	Slump	1 Day	3 days	7 days	28 days			
Mean		512	32.6	116	3:00	1	23.6	41.1	49.9	65.7	85.7	17.6	34.4	42.0	52.3	1.8	0.53	2.4
Standard Deviation		19	1.0	9	0:14	0.5	1.2	1.4	1.3	1.2	5.7	1.5	1.9	2.0	2.1	0.3	0.02	0.0
Min		475	28.2	105	2:45	0	22.0	38.9	47.4	63.4	70.0	14.5	31.2	38.5	49.0	0.9	0.49	2.3
Max		565	33.4	135	3:30	2	26.0	44.2	52.8	68.5	95.0	20.2	38.9	45.5	58.1	2.4	0.58	2.5
NZS 3122:2009 Requirements				45 min	6:00 max	5 max		25.0 min	40.0 min								0.6 max	3.5 max
Units		m2/kg	%	minutes	hrs:mins	mm	Mpa	MPa	MPa	MPa	mm	Mpa	MPa	MPa	MPa	%	%	%
200708-615-HE	08/07/20	510	33.1	120	3:00	1										2.1	0.51	2.4
200625-903-HE	25/06/20	530	33.1	120	3:00	2	22.8	40.3	47.4		80	16.8	33.2	38.7		1.8	0.56	2.4
200611-206-HE	11/06/20	515	33.0	105	2:45	2	22.5	40.7	49.3	64.6	90	20.2	33.3	42.5	51.2	1.5	0.55	2.4
200517-029-HE	17/05/20	510	33.0	120	2:45	2	22.0	39.7	48.4	64.7	80	14.5	32.2	39.7	49.2	2.0	0.55	2.4
200430-036-HE	30/04/20	535	33.2	120	3:30	1	23.3	42.9	52.2	66.7	80	18.4	34.6	43.9	51.5	1.9	0.53	2.4
200317-594-HE	17/03/20	525	32.8	120	3:15	0	22.1	39.6	48.5	63.6	95	15.8	31.2	38.5	51.4	1.6	0.52	2.4
200305-833-HE	05/03/20	525	33.2	105	3:00	1	22.0	40.7	50.2	63.4	90	16.3	33.3	39.9	54.2	1.3	0.55	2.3
200216-042-HE	16/02/20	565	33.4	120	3:00	1	24.9	42.6	49.9	65.8	90	17.8	32.2	38.7	50.3	0.9	0.58	2.5
200121-839-HE	21/01/20	520	33.4	120	3:00	1	22.4	38.9	51.3	65.3	70	20.1	35.8	43.1	53.3	1.8	0.53	2.4
191227-419-HE	27/12/19	475	33.0	120	3:00	1	22.5	38.9	50.4	68.5	80	15.6	32.6	40.2	51.2	1.6	0.53	2.4
191213-604-HE	13/12/19	500	33.0	120	2:45	1	22.3	41.1	50.6	65.9	85	18.3	32.9	43.5	52.0	1.6	0.53	2.4
191127-837-HE	27/11/19	520	32.9	105	3:00	1	23.4	41.6	50.1	67.7	80	19.5	34.6	43.3	58.1	2.2	0.55	2.4
191115-185-HE	15/11/19	495	32.8	135	3:15	2	26.0	42.4	52.8	66.9	90	16.3	33.2	40.1	49.0	1.6	0.53	2.4
191024-351-HE	24/10/19	505	33.0	105	2:45	1	24.0	42.4	50.0	67.8	85	17.3	34.1	42.0	49.9	2.4	0.53	2.4
191017-573-HE	17/10/19	490	33.0	120	3:00	1	24.2	41.4	49.1	65.1	85	16.5	32.9	41.9	52.4	1.9	0.51	2.4
191001-054-HE	01/10/19	520	32.7	105	2:45	2	24.6	41.8	48.7	65.2	90	17.9	35.7	42.1	53.1	2.0	0.53	2.5
190920-350-HE	20/09/19	520	32.6	105	3:00	1	22.8	40.4	51.0	65.1	85	17.0	35.6	41.3	55.0	1.8	0.52	2.4
190908-041-HE	08/09/19	515	32.7	105	2:45	1	23.5	42.3	49.0	65.4						1.6	0.52	2.4
190830-237-HE	30/08/19	520	32.7	105	2:45	1	24.4	40.3	49.0	64.8	90	19.6	35.7	42.6	53.6	1.7	0.50	2.5
190810-294-HE	10/08/19	510	32.6	120	3:00	0	24.4	40.8	50.0	65.2	90	17.4	36.1	45.5	55.1	1.5	0.49	2.4
190727-356-HE	27/07/19	490	28.2	120	3:15	1	23.0	39.3	49.6	66.0	90	15.9	34.4	43.7	52.5	1.4	0.52	2.3
190712-708-HE	12/07/19	525	33.0	120	3:30	1	25.7	42.7	50.9	66.2	90	17.6	38.9	44.5	51.8	2.2	0.53	2.4
190628-132-HE	28/06/19	495	31.6	120	2:45	1	25.7	44.2	51.3	66.5	90	17.5	36.5	42.2	51.1	2.2	0.56	2.4
190609-519-HE	09/06/19	490	31.6	120	3:15	1	23.2	39.9	48.3	65.6	80	19.0	36.2	43.9	51.7	1.9	0.52	2.3
190526-813-HE	26/05/19	495	32.6	135	3:15	1	23.9	41.4	49.5	65.3	85	19.1	36.6	44.1	52.5	2.1	0.54	2.3

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 Analysis to ASTM C114-18
- Concrete Compressive Strength test results outside the scope of accreditation

This Report must not be reproduced except in full

Raki Harding
Technical Manager

Nº 455, 456

Portland Works, Portland, Whangarei 0178

-Sample retested

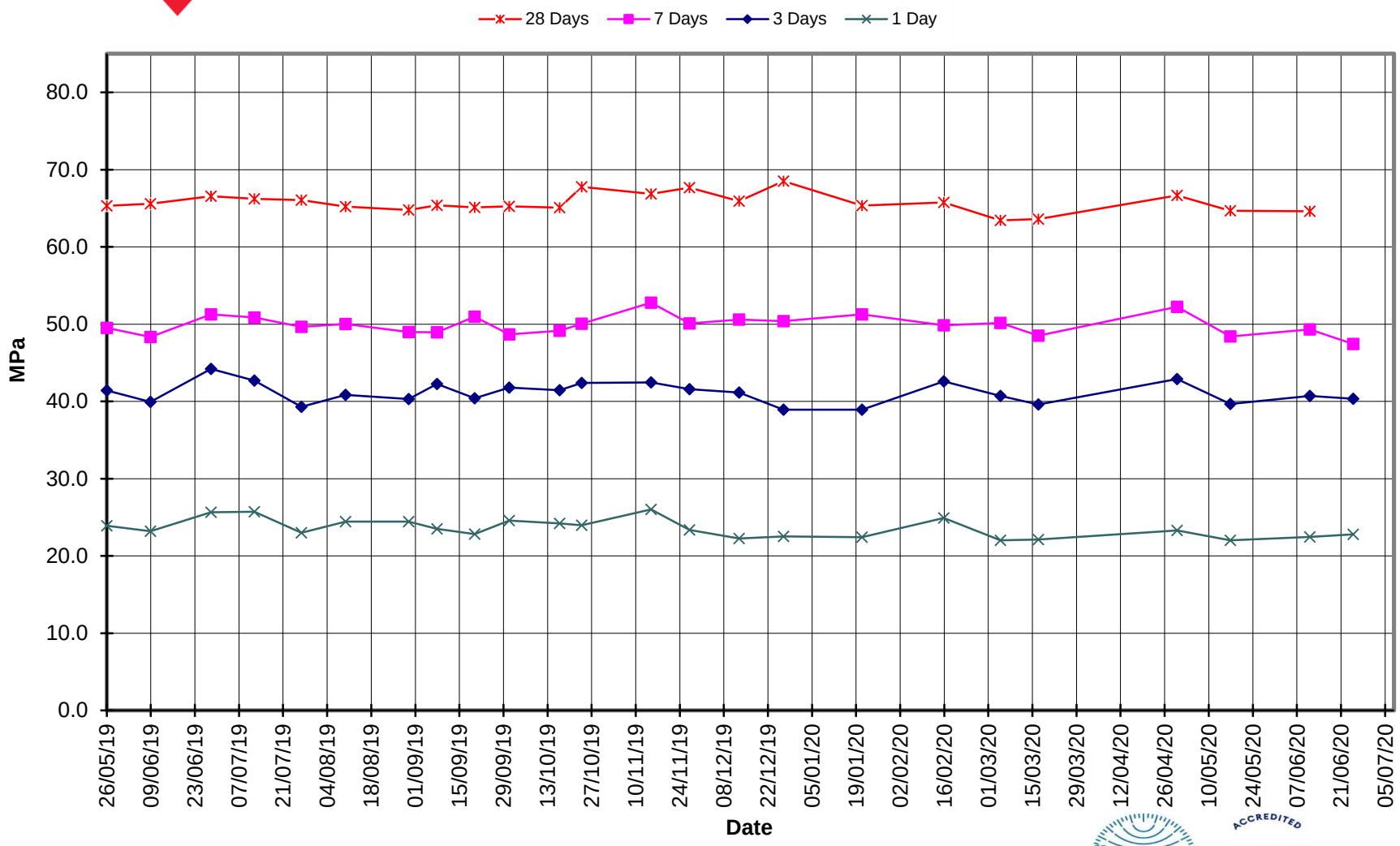
\# -No result available at time of certificate issue

Date issued: 17/07/20

Golden Bay Cement

EverFast™ Type HE Cement

Compressive Strength ISO-CEN Mortar



Date issued: 17/07/20

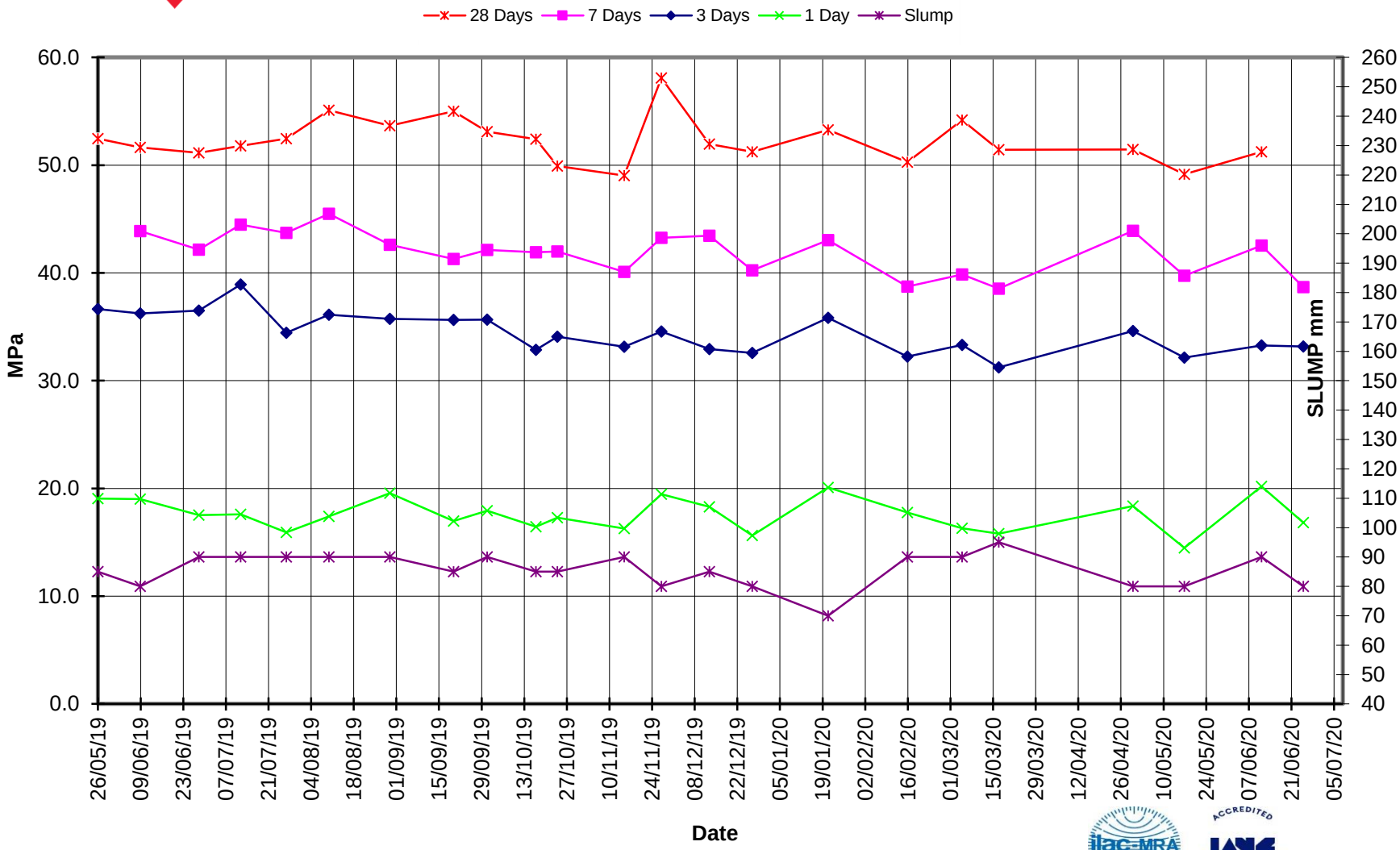
Test Report No: 20#126

ACCREDITED TESTING LABORATORY Nº 455, 456

Golden Bay Cement

EverFast™ Type HE Cement

Compressive Strength Concrete



Date issued: 17/07/20

Test Report No: 20#126