



Ultracem

NZS 3122:2009 Type GP (General Purpose Portland) & Type HE (High Early Strength)

Shipment # 2407 to 2418



Ship Arrival Date	Shipment #	Terminal	Water %	I-Set min	F-Set h:mm	False mm	Sound mm	SO ₃ *^ %	NaEq* %	Fine m ² /kg	45µm %	LOI %	I-3D* MPa	I-7D* MPa	I-28D* MPa
29/04/2025	2418	AUCKLAND								345		2.58			
22/04/2025	2417	AUCKLAND	27.2	105	3:00	12	1			340		2.60	36.8		
08/03/2025	2416	AUCKLAND	28.3	120	3:30	14	2	2.6	0.50	330	7.1	2.45	35.1	47.1	62.3
10/02/2025	2415	AUCKLAND	28.0	135	3:30	10	1	2.6	0.56	325	8.9	2.51	35.5	48.3	59.5
28/01/2025	2414	AUCKLAND	28.0	135	3:30	9	1	2.5	0.47	340	6.1	2.48	36.7	49.7	64.1
29/11/2024	2413	AUCKLAND	28.0	120	3:30	10	0	2.6	0.52	335	7.9	2.56	36.7	48.9	63.2
03/11/2024	2412	AUCKLAND	28.0	120	3:00	12	2	2.6	0.54	340	8.2	2.43	35.3	50.1	61.5
03/10/2024	2411	AUCKLAND	28.0	135	3:15	14	2	2.4	0.52	345	6.6	2.41	35.9	49.3	63.3
25/09/2024	2410	AUCKLAND	28.2	120	3:15	14	2	2.5	0.48	350	8.3	2.21	35.4	45.8	64.8
02/09/2024	2409	AUCKLAND	27.8	120	3:15	19	1	2.6	0.48	345	8.0	2.34	35.5	49.1	64.2
23/08/2024	2408	AUCKLAND	28.1	135	3:00	33	2	2.5	0.50	335	7.9	2.51	38.6	52.6	64.1
Mean			28.0	124.5	3:16	14.7	1.4	2.5	0.5	339	7.7	2.5	36.2	49.0	63.0
StdDev			0.3	10.1	0:13	7.0	0.7	0.1	0.0	7	0.9	0.1	1.1	1.9	1.7
29/04/2025	2417	TIMARU	27.7	120	3:00	10	1			345		2.53	36.4		
19/03/2025	2416	TIMARU	28.2	135	3:00	11	1	2.6	0.51	335	9.1	2.29	35.6	48.4	62.5
26/02/2025	2415	TIMARU	27.7	120	3:00	9	2	2.6	0.50	330	8.8	2.51	36.3	49.1	62.0
30/01/2025	2414	TIMARU	28.2	135	3:30	11	1	2.5	0.52	340	6.4	2.29	38.0	50.6	64.1
12/12/2024	2413	TIMARU	28.3	120	3:30	21	1	2.6	0.53	345	8.7	2.52	35.3	47.3	62.3
15/11/2024	2412	TIMARU	28.0	120	3:00	12	1	2.6	0.52	335	8.7	2.52	35.1	47.7	61.2
11/10/2024	2411	TIMARU	28.0	120	3:15	11	2	2.4	0.52	340	6.6	2.33	36.2	48.1	63.8
06/10/2024	2410	TIMARU	28.2	135	3:15	12	1	2.6	0.50	345	8.3	2.25	35.0	46.3	60.0
15/09/2024	2409	TIMARU	28.1	135	3:15	13	1	2.6	0.51	350	8.2	2.26	36.5	50.0	63.0
02/09/2024	2408	TIMARU	27.8	120	3:15	19	1	2.4	0.47	335	7.4	2.41	34.7	47.3	61.9
09/08/2024	2407	TIMARU	27.9	120	3:15	10	2	1.9	0.47	315	8.1	2.27	34.8	51.3	67.1
Mean			28.0	125.5	3:12	12.6	1.3	2.5	0.5	338	8.0	2.4	35.8	48.6	62.8
StdDev			0.2	7.6	0:11	3.8	0.5	0.2	0.0	10	0.9	0.1	1.0	1.6	1.9
NZS 3122:2009 Specifications				minimum	maximum		maximum	maximum	maximum				minimum	minimum	minimum
Type GP				45	6:00		5	3.5	0.64					35	45
Type HE				45	6:00		5	3.5	0.64				25	40	
Holcim New Zealand is registered for the production & distribution of cement in accordance with ISO 9001:2015. Ultracem is a general purpose cement, manufactured by Mitsubishi Ube Cement Company and is tested in accordance with NZS3122:2009 & AS2350:2006. [NOTE: The AS 2350 series of standards cited above were all adopted, with minor amendments, by NZS 3122:2009]. Samples tested as received. This test report may not be reproduced except in full.															
Holcim Auckland Laboratory 23 Plumer Street, Auckland, New Zealand						^ Verum Group, IANZ Accreditation Number: 981 Christchurch, New Zealand				* Cement Australia, Nata Accreditation Numbers: 187, 188 Darra, Brisbane, Australia					

Results marked

- * or ^ all results in italics are subcontracted.
‡ are not accredited, and are outside of the scope of the laboratory.
XXX are retested results

Claire Ziegler (Senior Laboratory Technician)
Key Technical Person

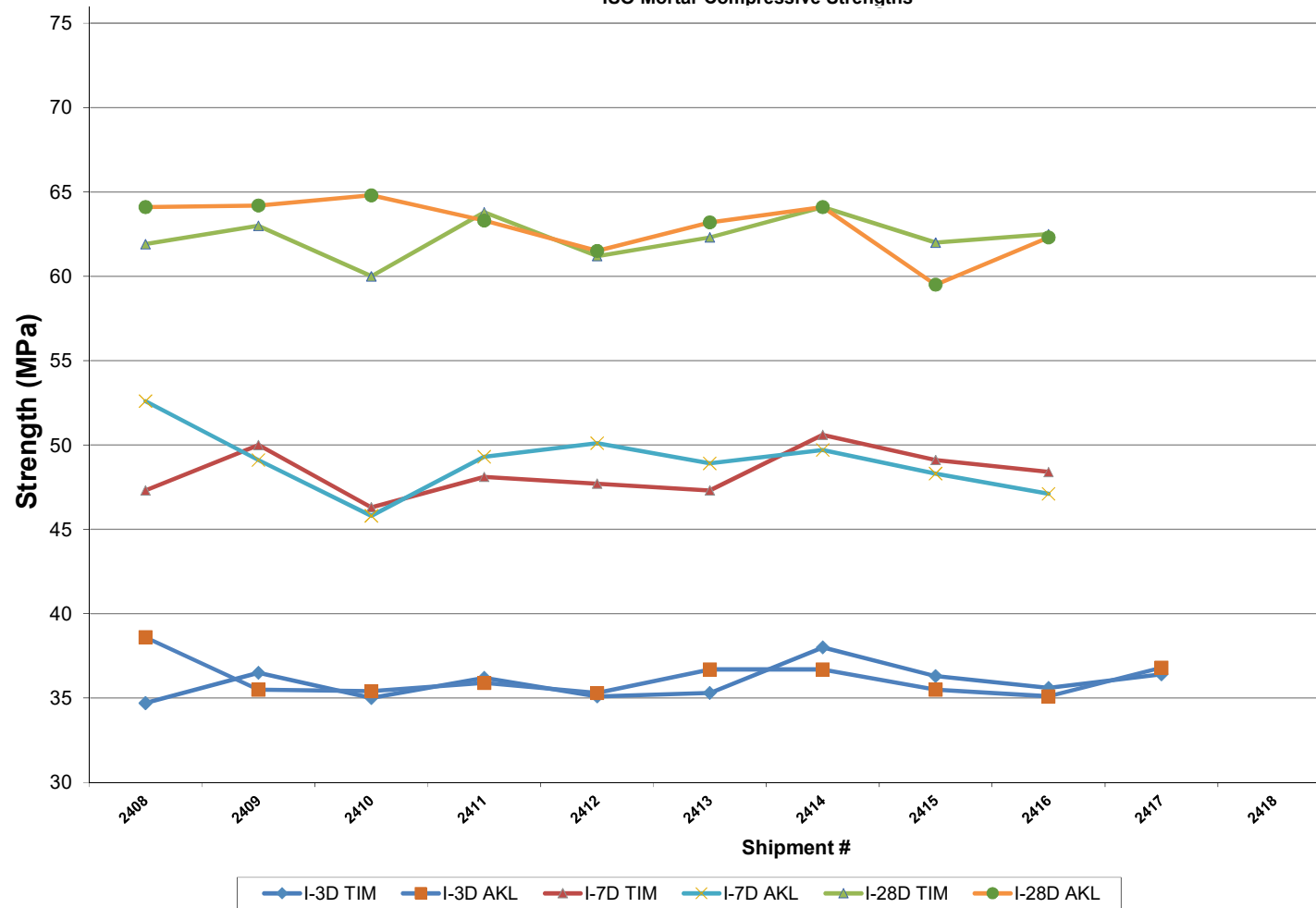
Dave Darlow (National Manager - Sustainable Solutions)
Key Technical Person

Issue Date: 09-May-25
Report ID: 25GP2501S

Ultracem

Type GP

ISO Mortar Compressive Strengths



Issue Date: 09-May-25
Report ID: 25GP2501S



Ultracem



NZS 3112:1986 Tests for Concrete Weekly Dispatch Grab Sample Auckland Point of Sale

Sample Date	Temp °C	Initial	Slump mm 30min 60min	Slump Loss mm/min	Plastic Density kg/m ³	Air %	Bleed L/m ³	Hardened Density kg/m ³	3 Day MPa	7 Day MPa	28 Day MPa	7-28 Day MPa
05/05/2025	22.3	110			2430	1.0		2420	28.5			
02/05/2025	22.7	100	80 60	0.67	2430	1.0	1.5	2420	30.0			
23/04/2025	24.0	110			2420	1.0		2420	30.0	38.0		
16/04/2025	24.6	110			2430	1.0		2430	30.0	38.0		
10/04/2025	23.1	120			2430	1.0		2430	28.0	37.0		
24/03/2025	23.2	120			2420	1.0		2430	29.0	36.0	45.0	9.0
19/03/2025	24.1	130			2420	1.0		2430	28.0	37.0	43.0	6.0
11/03/2025	24.2	130	90 60	1.17	2430	1.0	3.0	2400	28.0	37.0	43.5	6.5
03/03/2025	22.3	130			2420	1.0		2420	28.0	37.0	43.0	6.0
24/02/2025	24.2	130			2430	1.0		2430	28.5	35.0	44.0	9.0
17/02/2025	24.8	130			2420	1.0		2430	27.0	32.0	43.0	11.0
13/02/2025	23.0	130			2420	1.0		2460	25.0	34.0	40.0	6.0
07/02/2025	24.4	130	90 70	1.00	2420	1.0	3.0	2440	27.0	36.5	48.0	11.5
30/01/2025	23.1	130			2420	1.0		2430	27.0	36.0	46.0	10.0
20/01/2025	22.9	120			2420	1.0		2410	27.0	36.0	45.0	9.0
16/01/2025	23.8	120			2420	1.0		2420	27.0	35.0	43.5	8.5
09/01/2025	23.4	110	90 80	0.50	2430	1.0	3.0	2430	27.0	36.5	47.0	10.5
17/12/2024	22.0	130			2410	1.0		2440	28.0	36.0	45.0	9.0
03/12/2024	23.5	130			2430	1.0		2440	29.0	35.5	42.0	6.5
25/11/2024	23.7	120			2420	1.0		2430	27.5	38.0	47.0	9.0
Mean	23.5	122			2424	1.0	2.6	2428	28.0	36.1	44.3	8.5
StdDev	0.8	9.3			6	0.0	0.8	13	1.3	1.5	2.1	1.9
CoV%									4.6	4.2	4.8	
Holcim New Zealand is registered for the production & distribution of cement in accordance with ISO 9001:2015. Ultracem is a general purpose cement and is tested in accordance with NZS3122:2009 & AS2350:2006. All concrete testing conducted in accordance with NZS 3112:1986. This report may not be reproduced except in full.												
Holcim Auckland Laboratory 23 Plumer Street, Auckland, New Zealand												

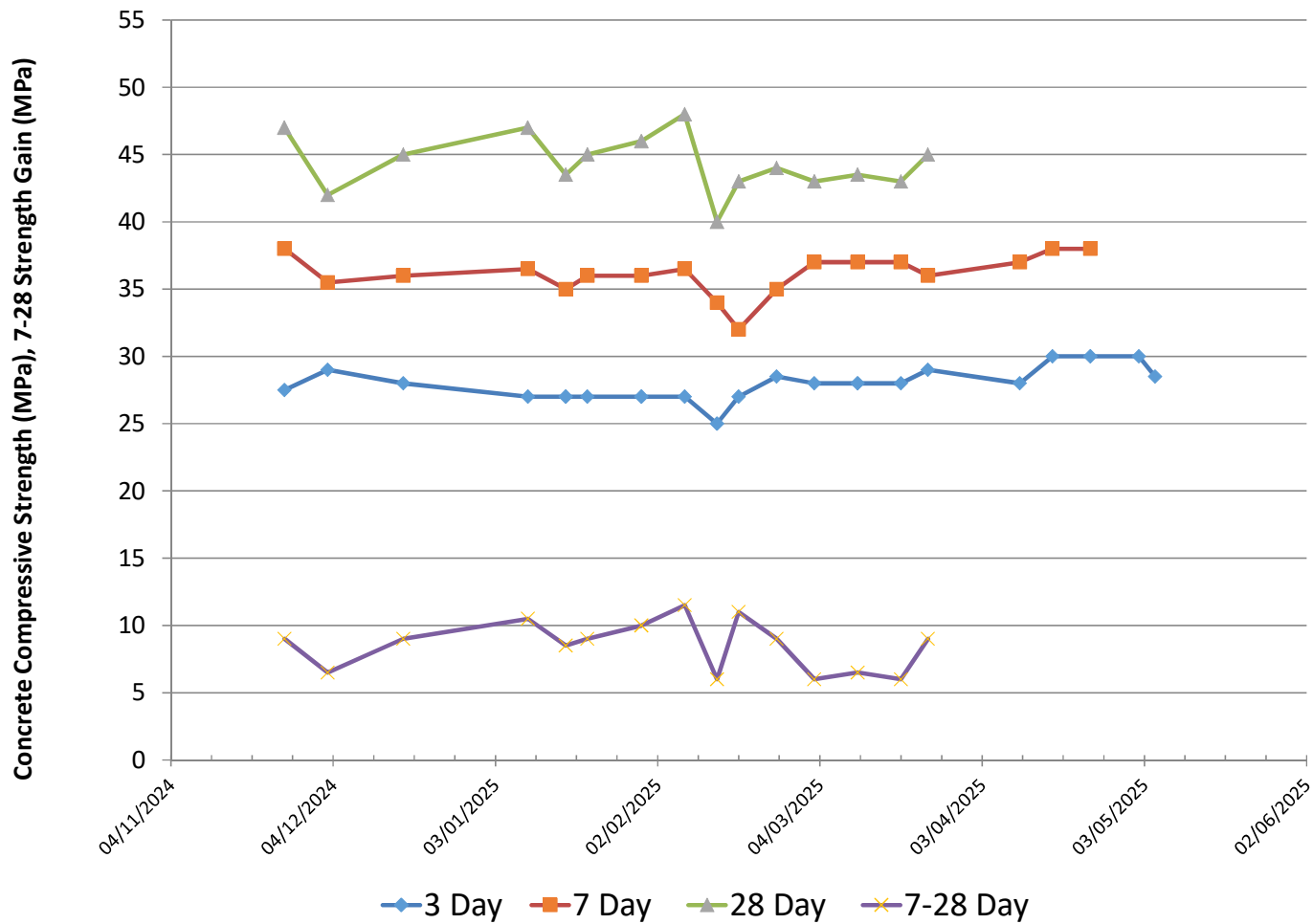
Materials	Cement	H ₂ O	Sand	PAP7	13mm	19mm	w/c	Ad. Mix	Density	Slump
Units								L/100kg	kg/m ³	mm
Mix	365	193	350	445	360	725	0.53	0.5 - 0.8	2438	120

Results marked

- * are subcontracted.
- ‡ are not accredited, and are outside of the scope of the laboratory.
- XXX are retested results

Issue Date: 09-May-25
Report ID: 25GP2501S

Weekly Dispatch Grab Sample Auckland Point of Sale Concrete Compressive Strength





Ultracem



NZS 3112:1986 Tests for Concrete Weekly Dispatch Grab Sample Timaru Point of Sale

Sample Date	Temp °C	Slump mm Initial 30min 60min	Slump Loss mm/min	Plastic Density kg/m ³	Air %	Bleed L/m ³	Hardened Density kg/m ³	3 Day MPa	7 Day MPa	28 Day MPa	7-28 Day MPa
15/04/2025	25.3	110		2430	1.0		2420	31.0	37.0		
07/04/2025	23.3	120		2410	1.0		2420	31.0	38.0		
24/03/2025	23.5	130		2420	1.0		2430	27.5	36.0	41.0	5.0
17/03/2025	22.9	120		2420	1.0		2430	27.5	36.0	43.0	7.0
10/03/2025	24.0	140	100 70	2430	1.0	3.0	2420	26.0	35.0	44.0	9.0
03/03/2025	22.8	130		2430	1.0		2430	26.0	35.5	44.0	8.5
26/02/2025	22.9	120		2430	1.0		2430	26.0	33.0	43.5	10.5
13/02/2025	23.6	130	100 70	2420	1.0	2.5	2430	28.5	36.5	46.0	9.5
01/02/2025	23.5	140		2430	1.0		2430	28.0	36.0	43.0	7.0
22/01/2025	22.6	130		2420	1.0		2430	26.0	36.0	45.0	9.0
13/01/2025	23.8	110		2420	1.0		2420	27.0	30.0	46.5	16.5
09/01/2025	24.1	110	90 70	2420	1.0	2.0	2430	27.0	36.0	45.5	9.5
03/12/2024	23.0	120		2420	1.0		2430	28.0	36.0	45.0	9.0
25/11/2024	23.2	120		2420	1.0		2430	27.5	36.0	43.0	7.0
19/11/2024	23.9	110		2430	1.0		2420	29.0	37.5	47.0	9.5
04/11/2024	22.3	140		2420	1.0		2440	22.0	30.0	46.0	16.0
22/10/2024	22.4	120		2420	1.0		2440	24.5	35.0	44.0	9.0
14/10/2024	22.6	120	100 90	2430	1.0	2.0	2440	27.0	35.0	46.5	11.5
09/10/2024	22.2	120		2420	1.0		2420	24.5	35.5	45.0	9.5
01/10/2024	22.3	120		2420	1.0		2420	25.0	34.0	46.0	12.0
Mean	23.2	123		2423	1.0	2.4	2428	27.0	35.2	44.7	9.7
StdDev	0.8	9.8		6	0.0	0.5	7	2.1	2.1	1.6	2.9
CoV%								7.9	5.9	3.6	

Holcim New Zealand is registered for the production & distribution of cement in accordance with ISO 9001:2015. Ultracem is a general purpose cement and is tested in accordance with NZS3122:2009 & AS2350:2006. All concrete testing conducted in accordance with NZS 3112:1986. Samples tested as received. This report may not be reproduced except in full.

Holcim Auckland Laboratory
23 Plumer Street, Auckland, New Zealand

Materials	Cement	H ₂ O	Sand	PAP7	13mm	19mm	w/c	Ad. Mix	Density	Slump
Units	kg/m ³							L/100kg	kg/m ³	mm
Mix	365	193	350	445	360	725	0.53	0.5 - 0.8	2438	120

Results marked

- * are subcontracted.
- ‡ are not accredited, and are outside of the scope of the laboratory.
- XXX are retested results

Issue Date: 09-May-25
Report ID: 25GP2501S

Weekly Dispatch Grab Sample Timaru Point of Sale Concrete Compressive Strength

