



XTRA-CEM

High Strength, Fast Set



Week Ending	Supplier ID	SO3 (%)	Sodium Equ (NaEq)	Residue (%)	Fineness (m2/kg)	Initial Set (min)	Final Set (hour)	Soundness (%)	Water (%)	LOI (%)	3 D-MS (MPa)	7 D-MS (MPa)	28 D-MS (MPa)
24/05/2024	HRCL												
17/05/2024	HRCL												
10/05/2024	HRCL			3.00		105	3.75	2.00	28.8	2.80	38.8		
03/05/2024	HRCL	2.30	0.44	3.80		105	3.50	2.00	28.8	3.10	38.2		
26/04/2024	HRCL	2.40	0.44			105	3.50	1.00	28.8	3.20	37.3	53.6	
19/04/2024	HRCL	2.60	0.43	3.30	360	105	3.50	1.00	28.9	4.00	36.5	52.5	
12/04/2024	HRCL	2.50	0.47	3.00	364	105	3.50	1.00	29.2	3.60	36.2	53.3	
05/04/2024	HRCL	2.60	0.46	2.30	380	105	3.50	2.00	29.2	3.50	40.3	56.0	71.4
28/03/2024	HRCL	2.60	0.44	2.10	378	105	3.50	3.00	29.2	3.90	40.2	55.5	70.8
22/03/2024	HRCL	2.60	0.47	2.30	377	105	3.50	1.00	29.2	3.40	40.1	56.7	RT
15/03/2024	HRCL	2.60	0.45	2.60	358	105	3.50	1.00	29.2	3.60	39.6	55.7	72.0
08/03/2024	HRCL	2.50	0.46	2.50	367	105	3.50	1.00	28.8	3.70	38.6	55.0	69.7
01/03/2024	HRCL	2.60	0.44	2.40	377	105	3.50	1.00	28.5	3.60	38.6	52.9	66.6
23/02/2024	HRCL	2.50	0.47	2.00	378	90	3.25	2.00	28.0	3.40	37.2	51.4	67.9
16/02/2024	HRCL	2.60	0.45	3.80	371	105	3.25	1.00	27.8	3.60	37.5	49.3	66.2
09/02/2024	HRCL	2.50	0.45	2.90	367	105	3.75	2.00	28.0	3.40	39.0	53.8	69.6
02/02/2024	HRCL	2.10	0.47	3.60	335	90	3.75	2.00	28.8	2.90	39.2	56.6	72.7
26/01/2024	HRCL	2.50	0.47	3.50	365	105	4.00	2.00	28.8	2.80	38.3	53.3	69.8
19/01/2024	HRCL	2.40	0.45	2.00	364	105	3.25	2.00	28.8	2.30	39.8	55.9	70.5
12/01/2024	HRCL	2.90	0.49	2.30	363	90	3.25	2.00	28.8	3.30	38.4	50.2	65.8
22/12/2023	HRCL	2.90	0.50	3.00	395	90	3.00	1.00	28.7	3.10	37.4	49.1	64.9
15/12/2023	HRCL	2.60	0.44	2.40	373	105	3.50	1.00	28.6	3.10	38.7	54.3	68.9
Min		2.10	0.43	2.00	335			1.00	27.8	2.30	36.2	49.1	64.9
Max		2.90	0.50	3.80	395			3.00	29.2	4.00	40.3	56.7	72.7
Mean		2.54	0.46	2.78	370			1.55	28.7	3.32	38.5	53.6	69.1
Std Dev		0.18	0.02	0.60	13.70			0.60	0.41	0.41	1.20	2.32	2.44
NZS 3122:2009		3.50	0.64			45	6.00	5.00				35.0	45.0
Requirements		maximum	maximum			minimum	maximum	maximum				Minimum	Minimum

RT – Retesting Sample

The above samples were tested as received in accordance with AS/NZS 2350

Results also on www.hrcl.co.nz website

All testing performed by IANZ / NATA approved Laboratory.

This report must not be reproduced except in full.

Issue Date 24/05/2024

Report Id: HRGP24 #367

Nick Tabrum – National Technical Manager (nick@bridgeman.co.nz)
60 Aerodrome Rd, Mt Maunganui, New Zealand.