

Week Ending	SO ₃	Alkalis (NaEq)	45-micron Residue	Fineness (g)	Initial Set	Final Set	Soundness	Water	LOI	I-3D	I-7D	I-28D
	%	%	%	m ² /kg	minutes	minutes	mm	%	%	MPa	MPa	MPa
17/07/2025	2.5	0.42	2.8	383	120	195	1	27.8	2.5	40.8	57.7	
10/07/2025	2.6	0.43	3.9	362	120	210	1	27.8	3.1	36.9	54.1	
03/07/2025	2.5	0.43	5.1	355	135	225	1	27.8	3.1	36.5	54.4	71.9
26/06/2025	2.8	0.43	4.5	374	120	210	2	27.8	3.2	36.2	52.6	70.0
19/06/2025	2.8	0.44	4.7	373	120	225	3	27.8	3.5	34.6	50.5	66.3
12/06/2025	2.6	0.45	4.3	385	120	195	3	28.1	3.7	37.8	52.8	68.6
05/06/2025	2.1	0.45	3.0	370	120	210	2	28.3	3.0	42.2	58.2	73.5
28/05/2025	2.2	0.44	3.1	365	105	210	1	28.3	2.8	41.0	57.0	73.3
22/05/2025	2.1	0.44	2.8	366	120	210	2	28.3	2.9	39.9	57.7	72.2
15/05/2025	2.2	0.46	2.7	360	105	210	3	28.3	2.3	38.6	56.9	73.3
09/05/2025	2.1	0.48	3.5	353	120	195	3	28.3	2.4	39.0	55.2	72.0
02/05/2025	2.0	0.46	3.0	347	105	195	3	28.3	3.0	39.8	56.0	71.5
24/04/2025	2.3	0.45	2.9	353	90	210	1	28.3	3.1	40.1	55.1	70.3
17/04/2025	2.4	0.47	2.3	346	105	210	1	28.7	3.3	39.0	54.6	70.1
10/04/2025	2.4	0.49	3.1	365	105	195	1	28.5	3.2	39.3	54.2	69.3
04/04/2025	2.3	0.49	3.6	337	105	195	0	28.2	2.5	40.5	56.0	71.2
27/03/2025	2.2	0.48	3.4	362	105	195	1	27.8	2.7	40.9	55.7	69.7
20/03/2025	2.3	0.45	4.9	367	105	210	2	27.8	3.3	39.5	53.1	67.3
13/03/2025	2.4	0.45	3.8	366	110	225	2	27.8	3.4	36.5	49.7	64.5
06/03/2025	2.3	0.47	3.0	330	120	210	1	27.8	3.1	36.8	51.4	66.4
Min	2.0	0.42	2.3	330	90	195	0	27.8	2.3	34.6	49.7	64.5
Max	2.8	0.49	5.1	385	135	225	3	28.7	3.7	42.2	58.2	73.5
Mean	2.4	0.45	3.5	361	113	207	2	28.1	3.0	38.8	54.6	70.1
StdDev	0.2	0.02	0.8	14	10	10	1	0.3	0.4	2.0	2.4	2.6
AS/NZS 2350:2006	3.5	0.64			45	360	5				35.0	45.0
Specifications	maximum	maximum			minimum	maximum	maximum				minimum	minimum
HR Cement Ltd is registered for the production & distribution of cement in accordance with ISO 9001:2015.												
Xtra-Cem is tested in accordance with AS/NZS 2350 & NZS 3122:2009												
Samples tested as received. This Test Report may not be reproduced except in full.												
Testing conducted by Cement Australia (Darra, Brisbane, Australia). Nata Accreditation Numbers: 187, 188												
DA Chater												
Dave Chater - Technical Manager (dave.chater@hrcl.co.nz)					Issue Date: 10/08/2025				Report ID: HRC-XTRA-CEM-427			