

Week Ending	SO₃	Alkalis (NaEq)	45-micron Residue	Fineness (g)	Initial Set	Final Set	Soundness	Water	LOI	I-3D	I-7D	I-28D
	%	%	%	m²/kg	minutes	minutes	mm	%	%	MPa	MPa	MPa
17/10/2025	2.9	0.44	3.6	396	90	180	1	28.8	3.1	41.1	58.9	
10/10/2025	2.8	0.44	3.5	386	120	210	1	28.8	3.5	37.6	55.1	
03/10/2025	2.8	0.43	4.3	391	105	195	1	28.8	3.1	38.6	53.3	
26/09/2025	2.8	0.44	3.5	380	120	195	1	27.8	2.9	38.2	54.3	70.7
19/09/2025	2.6	0.43	3.5	385	105	195	1	27.8	3.0	39.0	55.1	70.1
12/09/2025	2.8	0.42	3.5	387	90	195	1	27.8	3.0	38.6	55.1	68.1
05/09/2025	2.7	0.44	5.1	377	90	195	2	27.8	3.3	38.2	54.9	70.6
28/08/2025	2.6	0.44	2.8	390	105	180	1	27.8	3.3	38.7	55.2	69.8
21/08/2025	2.6	0.42	3.5	380	105	195	2	27.8	3.4	38.7	55.6	71.1
14/08/2025	2.6	0.42	2.7	383	120	210	2	27.8	3.4	38.6	56.1	70.9
07/08/2025	2.6	0.42	2.8	383	105	210	2	27.8	3.4	39.2	55.5	71.2
31/07/2025	2.6	0.44	3.8	383	105	195	3	27.8	3.3	39.4	56.4	71.0
24/07/2025	2.6	0.41	1.9	393	105	210	2	29.1	3.3	40.7	56.3	70.8
17/07/2025	2.5	0.42	2.8	383	120	195	1	27.8	2.5	40.8	57.7	72.5
10/07/2025	2.6	0.43	3.9	362	120	210	1	27.8	3.1	36.9	54.1	71.8
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
Min	2.1	0.41	1.9	355	90	180	1	27.8	2.5	34.6	50.5	66.3
Max	2.9	0.45	5.1	396	135	225	3	29.1	3.7	42.2	58.9	73.5
Mean	2.6	0.43	3.6	381	111	202	2	28.1	3.2	38.6	55.1	70.5
StdDev	0.2	0.01	0.8	10	12	12	1	0.4	0.3	1.8	2.0	1.7
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												
Dave Chater - Technical Manager (dave.chater@hrcl.co.nz) Issue Date: 10/11/2025 Report ID: HRC-XTRA-CEM-440												