

# CERTIFICATE OF QUALITY

## EverPlus™ (Class C Flyash)



Golden Bay Cement

Name of Power Station **Huntly**  
 Source of Sampling **Eastport & Portland Flyash Silos**

Testing Laboratory **GBC & Cement Australia**  
 Grade of Sample **Grade 1**

Issued to: **National Sales Manager**

Test Report No: **22#66**

Code	Date of Sampling	Moisture %	Loss on Ignition %	Passing 45 Micron %	Sulphate SO3 * %	Available Alkali * %	Total Alkali (Na2O Equiv) %	Relative Density	Relative Water %	Strength Index %	Chloride * %	Chemical Composition (SiO2 + Al2O3 + Fe2O3)
Mean		0.1	0.5	88.5	1.0	1.9	2.94	2.67	89.4	108.6	0.005	63.3
Standard Deviation		0.0	0.1	1.9	0.1	0.4	0.49	0.04	1.5	6.5	0.001	1.6
Min		0.0	0.3	85.2	0.9	1.7	2.39	2.62	86.7	103.6	0.004	60.2
Max		0.1	0.8	91.4	1.0	2.4	3.75	2.73	90.2	116.0	0.005	65.6
AS/NZS 3582.1-2016		<0.5	< 4.0	> 75	< 3.0						<0.1	> 60%
220716-010	16/07/22	0.1	0.6	89.3	#	#	2.49	#	#	#	#	62.9
220709-947	09/07/22	0.1	0.7	89.4	#	#	2.53	#	#	#	#	62.2
220702-948	02/07/22	0.1	0.6	87.6	#	#	2.70	#	#	#	#	62.6
220630-509	30/06/22	0.1	0.5	88.3	#	#	2.69	2.69	89.8	#	#	61.1
220625-201	25/06/22	0.1	0.5	91.4	#	#	3.66	#	#	#	#	64.4
220618-200	18/06/22	0.1	0.6	90.0	#	#	3.18	#	#	#	#	63.1
220611-538	11/06/22	0.1	0.5	88.9	#	#	2.63	#	#	#	#	61.4
220604-273	04/06/22	0.1	0.5	89.3	#	#	2.62	#	#	#	#	61.6
220530-270	30/05/22	0.0	0.4	85.2	#	#	2.47	2.73	86.7	#	#	61.2
220528-274	28/05/22	0.1	0.5	87.9	#	#	2.61	#	#	#	#	60.2
220521-797	21/05/22	0.0	0.4	88.9	#	#	2.65	#	#	#	#	60.9
220514-531	14/05/22	0.0	0.3	85.6	#	#	2.45	#	#	#	#	61.4
220507-530	07/05/22	0.0	0.5	89.6	#	#	2.68	#	#	#	#	63.1
220430-020	30/04/22	0.0	0.5	90.1	#	#	3.47	#	#	#	#	64.5
220430-436	30/04/22	0.1	0.4	90.8	1.0	2.4	3.74	2.62	90.2	116.0	0.005	65.6
220423-331	23/04/22	0.0	0.4	90.3	#	#	3.61	#	#	#	#	64.8
220416-044	16/04/22	0.0	0.3	90.9	#	#	3.73	#	#	#	#	64.9
220409-987	09/04/22	0.0	0.3	89.6	#	#	3.75	#	#	#	#	65.0
220402-311	02/04/22	0.0	0.4	90.1	#	#	3.72	#	#	#	#	65.4
220330-214	30/03/22	0.1	0.7	86.4	1.0	1.7	2.69	2.65	90.2	103.6	0.005	63.7
220326-996	26/03/22	0.1	0.8	85.5	#	#	3.07	#	#	#	#	63.8
220319-995	19/03/22	0.1	0.8	85.9	#	#	2.82	#	#	#	#	63.9
220312-929	12/03/22	0.1	0.6	86.5	#	#	2.73	#	#	#	#	64.6
220305-928	05/03/22	0.1	0.6	86.6	#	#	2.39	#	#	#	#	63.8
220228-861	28/02/22	0.1	0.5	87.9	0.9	1.7	2.55	2.66	90.2	106.1	0.004	65.6

\* Cement Australai, Nata Accredited Laboratory Nos: 187 188

The Relative Water & Relative Strength Tests used NZS 3122 Type GP cement in the mortars  
 The above samples were tested as received in accordance with methods stated in the AS 3583 series.  
 Total alkali & chemical composition results outside the scope of accreditation.  
 # No result available at time of certificate issue

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Quality Manager



Date issued: 22/07/22 Portland Works, Portland, Whangarei 0178