

CERTIFICATE OF QUALITY

EverPlus™ (Class C Flyash)



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#49**

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 +)
Mean		0.1	0.5	87.7	1.3	1.9	2.86	2.65	90.3	104.5	0.009	64.6
Standard Deviation		0.0	0.1	1.6	0.0	0.1	0.48	0.03	0.2	1.5	0.000	1.4
Min		0.0	0.3	85.5	1.3	1.8	2.13	2.62	90.2	103.1	0.009	60.6
Max		0.2	0.8	90.9	1.3	2.0	3.75	2.69	90.6	106.1	0.009	66.9
AS/NZS 3582.1-2016		<0.5	< 4.0	> 75	< 3.0						<0.1	> 60%
220430-436	30/04/22	0.1	0.4	90.8	#	#	3.74	2.62	#	#	#	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	#	#	2.69	2.65	90.2	#	#	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	#	#	2.55	2.66	90.2	106.1	#	65.6
220220-407	20/02/22	0.0	0.4	88.5	#	#	2.13	#	#	#	#	64.4
220219-872	19/02/22	0.0	0.5	87.4	#	#	2.72	#	#	#	#	66.9
220212-395	12/02/22	0.1	0.6	87.0	#	#	2.64	#	#	#	#	66.1
220205-394	05/02/22	0.1	0.6	88.5	#	#	2.44	#	#	#	#	64.5
220130-658	30/01/22	0.1	0.6	86.4	1.3	2.0	2.76	2.66	90.2	104.2	0.009	64.6
211225-706	25/12/21	0.1	0.4	85.8	#	#	2.59	#	#	#	#	65.9
211218-522	18/12/21	0.1	0.4	85.6	#	#	2.66	#	#	#	#	66.5
211211-521	11/12/21	0.1	0.4	87.7	#	#	2.66	#	#	#	#	66.4
211204-758	04/12/21	0.1	0.5	86.9	#	#	2.69	#	#	#	#	64.7
211130-969	30/11/21	0.1	0.7	88.0	1.3	1.8	2.55	2.69	90.6	103.1	0.009	62.2
211127-540	27/11/21	0.0	0.5	88.6	#	#	2.57	#	#	#	#	63.9
211120-547	20/11/21	0.2	0.8	87.2	#	#	3.01	#	#	#	#	60.6
211113-546	13/11/21	0.1	0.7	86.7	#	#	2.92	#	#	#	#	63.2
211106-864	06/11/21	0.0	0.5	86.9	#	#	2.24	#	#	#	#	63.8

* Cement Australia, 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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Raki Harding
 Technical Manager

Date issued: 13/05/22 Portland Works, Portland, Whangarei 0178

