



CERTIFICATE OF QUALITY

EverSure™ Type GP Cement

(NZS3122:2009 Bag Despatch)



Our
NZ made
cement is
genuine
NZ grade
cement.

Issued to: National Sales Manager

Test Report No: TR22#67

info@goldenbay.co.nz

| Code | Week Ending / Voyage | Specific Surface Area | Normal Consistency | Initial Set | Final Set | Sound- ness | Compressive Strength | | | Free Lime | Sodium Equivalent (NaEq) | Sulphur Trioxide (SO3) |
|-------------------------------|----------------------------|-----------------------------|-----------------------|----------------|--------------|----------------|----------------------|-------------|-------------|--------------|--------------------------------|------------------------------|
| | | | | | | | ISOGEN | | | | | |
| | | | | | | | 3 days | 7 days | 28 days | | | |
| Mean | | 351 | 29.1 | 139 | 3:35 | 1 | 30.2 | 41.5 | 62.1 | 1.8 | 0.54 | 2.2 |
| Standard Deviation | | 13 | 0.4 | 13 | 0:17 | 0 | 1.0 | 1.4 | 1.6 | 0.3 | 0.02 | 0.07 |
| Min | | 325 | 28.3 | 120 | 3:15 | 1 | 27.8 | 39.2 | 59.6 | 0.8 | 0.50 | 2.0 |
| Max | | 380 | 29.9 | 165 | 4:15 | 2 | 31.7 | 44.1 | 64.4 | 2.5 | 0.58 | 2.3 |
| NZS 3122:2009 Requirements | | | | 45 min | 6:00 max | 5 max | | 35.0 min | 45.0 min | | 0.6 max | 3.5 max |
| Units | | m2/kg | % | minutes | hrs:mins | mm | MPa | MPa | MPa | % | % | % |
| 220607-133-GP | 07/06/22 | 325 | 29.4 | 165 | 3:45 | 1 | 31.7 | 43.7 | 62.9 | 1.8 | 0.56 | 2.3 |
| 220519-117-GP | 19/05/22 | 345 | 29.7 | 150 | 3:45 | 1 | 31.1 | 44.1 | 63.8 | 1.7 | 0.55 | 2.2 |
| 220512-770-GP | 12/05/22 | 345 | 29.0 | 150 | 3:45 | 1 | 29.8 | 42.4 | 64.3 | 1.9 | 0.54 | 2.2 |
| 220422-980-GP | 22/04/22 | 355 | 28.8 | 165 | 4:15 | 1 | 29.0 | 41.0 | 62.0 | 1.8 | 0.56 | 2.2 |
| 220401-029-GP | 01/04/22 | 340 | 29.5 | 150 | 3:45 | 1 | 30.7 | 41.6 | 60.3 | 1.9 | 0.58 | 2.2 |
| 220310-130-GP | 10/03/22 | 340 | 29.9 | 150 | 4:15 | 1 | 30.3 | 40.9 | 60.2 | 2.0 | 0.55 | 2.1 |
| 220304-860-GP | 04/03/22 | 360 | 29.1 | 135 | 3:30 | 1 | 29.7 | 39.2 | 59.9 | 1.4 | 0.55 | 2.3 |
| 220127-102-GP | 27/01/22 | 375 | 29.0 | 120 | 3:15 | 1 | 27.8 | 39.8 | 59.9 | 1.8 | 0.50 | 2.2 |
| 220113-468-GP | 13/01/22 | 365 | 28.4 | 135 | 3:15 | 1 | 29.0 | 40.9 | 60.2 | 0.8 | 0.53 | 2.2 |
| 220110-345-GP | 10/01/22 | 360 | 28.5 | 135 | 3:30 | 1 | 31.6 | 42.9 | 63.8 | 1.6 | 0.55 | 2.2 |
| 211216-591-GP | 16/12/21 | 345 | 28.3 | 150 | 3:30 | 1 | 31.2 | 42.3 | 63.9 | 2.0 | 0.55 | 2.3 |
| 211209-308-GP | 09/12/21 | 345 | 29.2 | 135 | 3:30 | 1 | 30.6 | 41.8 | 61.6 | 1.5 | 0.57 | 2.0 |
| 211202-961-GP | 02/12/21 | 350 | 29.2 | 135 | 3:30 | 1 | 29.3 | 40.5 | 63.0 | 2.0 | 0.53 | 2.2 |
| 211125-591-GP | 25/11/21 | 380 | 29.1 | 135 | 3:15 | 1 | 28.9 | 41.6 | 63.9 | 1.6 | 0.52 | 2.3 |
| 211112-891-GP | 12/11/21 | 350 | 29.6 | 135 | 3:30 | 1 | 30.6 | 40.6 | 62.8 | 1.8 | 0.50 | 2.2 |
| 211104-482-GP | 04/11/21 | 355 | 29.0 | 120 | 3:15 | 1 | 29.9 | 39.2 | 60.9 | 1.6 | 0.55 | 2.2 |
| 211021-781-GP | 21/10/21 | 365 | 29.6 | 135 | 3:15 | 2 | 29.5 | 39.2 | 61.1 | 2.5 | 0.54 | 2.1 |
| 211014-418-GP | 14/10/21 | 350 | 29.0 | 120 | 3:15 | 2 | 28.6 | 39.2 | 59.6 | 2.0 | 0.54 | 2.2 |
| 211007-075-GP | 07/10/21 | 350 | 28.9 | 135 | 3:30 | 1 | 30.9 | 42.0 | 63.0 | 2.1 | 0.55 | 2.2 |
| 210930-723-GP | 30/09/21 | 360 | 28.8 | 135 | 4:00 | 1 | 31.2 | 43.0 | 63.2 | 1.8 | 0.54 | 2.2 |
| 210923-518-GP | 23/09/21 | 340 | 29.2 | 120 | 3:45 | 2 | 30.5 | 42.5 | 61.9 | 2.2 | 0.55 | 2.2 |
| 210909-030-GP | 09/09/21 | 360 | 29.1 | 150 | 3:30 | 1 | 31.3 | 41.2 | 60.8 | 1.9 | 0.54 | 2.3 |
| 210907-028-GP | 07/09/21 | 330 | 29.0 | 135 | 3:45 | 1 | 30.6 | 41.8 | 64.4 | 2.1 | 0.55 | 2.2 |
| 210829-778-GP | 29/08/21 | 335 | 29.3 | 150 | 3:45 | 1 | 30.6 | 42.1 | 63.5 | 2.0 | 0.57 | 2.2 |
| 210812-940-GP | 12/08/21 | 350 | 29.2 | 120 | 3:30 | 1 | 31.5 | 43.1 | 62.8 | 1.5 | 0.55 | 2.2 |

The above samples were tested as received in accordance with the current test method. This Report must not be reproduced except in full accreditation and methods stated in NZS 3122:2009 with the exception of:

Chemical composition to ASTM C114-18

Results outside the scope of accreditation
No result available at time of certificate issue

Raki Hargding
Quality Manager

Date issued: 22/07/2022



Portland Works, Portland, Whangarei 0178



EverSure™ Type GP Cement



Compressive Strength ISO-CEN Mortar (Bag Dispatch)

—▲— 28 Days —■— 7 Days —◆— 3 Days

