



# CERTIFICATE OF QUALITY

## EverSure™ Type GP Cement

NZS3122:2009 (Bulk Despatch)



Our  
NZ made  
cement is  
**genuine**  
NZ grade  
cement.

Issued to: National Sales Manager

Test Report No: 21#221

info@goldenbay.co.nz

| Code                       | Week Ending / Voyage | Specific Surface Area | Normal Consistency | Initial Set | Final Set | Soundness | Compressive Strength |          |          |          |        |        |         | Free Lime | Sodium Equivalent (NaEq) | Sulphur Trioxide (SO3) |
|----------------------------|----------------------|-----------------------|--------------------|-------------|-----------|-----------|----------------------|----------|----------|----------|--------|--------|---------|-----------|--------------------------|------------------------|
|                            |                      |                       |                    |             |           |           | ISOCEN               |          |          | Concrete |        |        |         |           |                          |                        |
|                            |                      |                       |                    |             |           |           | 3 days               | 7 days   | 28 days  | Slump    | 3 days | 7 days | 28 days |           |                          |                        |
| Mean                       |                      | 331                   | 28.9               | 133         | 3:31      | 1         | 30.1                 | 41.3     | 63.5     | 92       | 22.3   | 32.3   | 46.0    | 2.0       | 0.56                     | 2.2                    |
| Standard Deviation         |                      | 9                     | 0.3                | 11          | 0:09      | 0         | 1.0                  | 0.9      | 1.0      | 6        | 1.3    | 2.3    | 2.7     | 0.2       | 0.01                     | 0.03                   |
| Min                        |                      | 315                   | 28.2               | 105         | 3:15      | 0         | 28.2                 | 39.8     | 61.7     | 80       | 20.3   | 28.1   | 42.2    | 1.8       | 0.54                     | 2.2                    |
| Max                        |                      | 350                   | 30.0               | 150         | 3:45      | 2         | 32.7                 | 43.2     | 65.1     | 100      | 25.4   | 35.9   | 49.9    | 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      | mm       | MPa    | MPa    | MPa     | %         | %                        | %                      |
| 211217-592-GP              | 17/12/21             | 325                   | 28.2               | 150         | 3:45      | 1         | 28.8                 |          |          |          |        |        |         | 2.2       | 0.58                     | 2.3                    |
| 211211-594-GP              | 11/12/21             | 330                   | 28.2               | 150         | 3:30      | 1         | 29.7                 |          |          | 90       | 22.1   |        |         | 2.2       | 0.56                     | 2.2                    |
| 211209-311-GP              | 09/12/21             | 345                   | 29.2               | 150         | 3:45      | 1         | 30.0                 | 41.1     |          |          |        |        |         | 2.1       | 0.57                     | 2.2                    |
| 211206-309-GP              | 06/12/21             | 340                   | 29.2               | 135         | 3:30      | 1         | 30.4                 | 42.4     |          | 90       | 21.5   | 31.1   |         | 2.1       | 0.58                     | 2.2                    |
| 211202-965-GP              | 02/12/21             | 325                   | 28.8               | 135         | 3:30      | 1         | 31.1                 | 42.5     |          |          |        |        |         | 1.9       | 0.55                     | 2.2                    |
| 211130-963-GP              | 30/11/21             | 320                   | 28.9               | 135         | 3:30      | 1         | 29.1                 | 41.0     |          | 100      | 21.7   | 28.1   |         | 2.1       | 0.55                     | 2.2                    |
| 211125-592-GP              | 25/11/21             | 330                   | 29.0               | 135         | 3:15      | 2         | 29.2                 | 39.8     |          | 80       | 25.4   | 33.8   |         | 1.9       | 0.56                     | 2.2                    |
| 211122-594-GP              | 22/11/21             | 340                   | 29.0               | 135         | 3:30      | 1         | 29.7                 | 41.4     |          |          |        |        |         | 2.1       | 0.56                     | 2.21                   |
| 211118-229-GP              | 18/11/21             | 350                   | 29.2               | 135         | 3:30      | 1         | 30.7                 | 40.9     | 64.2     |          |        |        |         | 2.0       | 0.55                     | 2.21                   |
| 211116-226-GP              | 16/11/21             | 340                   | 29.0               | 135         | 3:30      | 2         | 30.6                 | 41.7     | 63.5     | 90       | 23.0   | 35.9   | 45.9    | 1.8       | 0.54                     | 2.21                   |
| 211111-892-GP              | 11/11/21             | 345                   | 28.9               | 135         | 3:45      | 2         | 30.4                 | 40.4     | 63.6     | 90       | 20.6   | 31.7   | 46.0    | 2.1       | 0.57                     | 2.23                   |
| 211108-894-GP              | 08/11/21             | 335                   | 28.9               | 135         | 3:30      | 2         | 30.5                 | 41.2     | 64.7     |          |        |        |         | 2.0       | 0.56                     | 2.23                   |
| 211104-485-GP              | 04/11/21             | 320                   | 28.8               | 135         | 3:30      | 1         | 30.5                 | 40.3     | 63.0     |          |        |        |         | 1.8       | 0.56                     | 2.21                   |
| 211101-483-GP              | 01/11/21             | 325                   | 28.9               | 135         | 3:30      | 2         | 30.2                 | 41.7     | 64.5     | 100      | 21.3   | 30.6   | 43.0    | 1.8       | 0.57                     | 2.2                    |
| 211029-179-GP              | 29/10/21             | 325                   | 28.9               | 105         | 3:30      | 2         | 30.3                 | 41.4     | 63.1     | 90       | 20.3   | 29.7   | 48.7    | 1.9       | 0.57                     | 2.2                    |
| 211026-181-GP              | 26/10/21             | 325                   | 28.8               | 120         | 3:45      | 2         | 30.9                 | 42.1     | 63.0     |          |        |        |         | 1.9       | 0.57                     | 2.2                    |
| 211022-784-GP              | 22/10/21             | 320                   | 28.8               | 150         | 3:45      | 1         | 29.4                 | 40.1     | 63.9     | 90       | 22.7   | 34.3   | 44.8    | 2.1       | 0.58                     | 2.2                    |
| 211019-782-GP              | 19/10/21             | 320                   | 28.9               | 135         | 3:15      | 1         | 29.8                 | 40.0     | 61.7     |          |        |        |         | 2.2       | 0.56                     | 2.3                    |
| 211012-419-GP              | 12/10/21             | 335                   | 29.0               | 120         | 3:30      | 2         | 28.2                 | 41.1     | 62.2     | 100      | 22.9   | 32.5   | 42.2    | 2.2       | 0.55                     | 2.3                    |
| 211011-421-GP              | 11/10/21             | 335                   | 28.8               | 120         | 3:30      | 2         | 28.7                 | 41.8     | 63.3     |          |        |        |         | 2.0       | 0.56                     | 2.3                    |
| 211008-086-GP              | 08/10/21             | 315                   | 29.0               | 120         | 3:30      | 1         | 31.1                 | 41.6     | 63.2     | 90       | 23.1   | 34.8   | 49.9    | 2.0       | 0.54                     | 2.3                    |
| 211006-084-GP              | 06/10/21             | 325                   | 28.8               | 135         | 3:30      | 0         | 32.7                 | 43.2     | 65.1     |          |        |        |         | 2.1       | 0.57                     | 2.2                    |
| 211002-726-GP              | 02/10/21             | 340                   | 29.0               | 120         | 3:15      | 2         | 31.0                 | 42.5     | 64.6     |          |        |        |         | 2.1       | 0.55                     | 2.2                    |
| 210930-724-GP              | 30/09/21             | 330                   | 29.0               | 135         | 3:45      | 2         | 29.1                 | 42.0     | 63.2     | 90       | 22.7   | 32.4   | 47.4    | 1.8       | 0.57                     | 2.2                    |
| 210925-524-GP              | 25/09/21             | 335                   | 30.0               | 120         | 3:15      | 2         | 29.8                 | 40.5     | 62.2     |          |        |        |         | 2.5       | 0.57                     | 2.3                    |

JGP

The above samples were tested as received in accordance with the current terms of accreditation and methods stated in NZS 3122:2009 with the exception of:

Chemical composition to ASTM C114-18

- Concrete Compressive Strength test results outside the scope of accreditation

Tested Outside Scope Of Accreditation

# No result available at time of certificate issue

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Raki Harding  
Quality Manager



Portland Works, Portland, Whangarei 0178

Date issued: 23/12/2021

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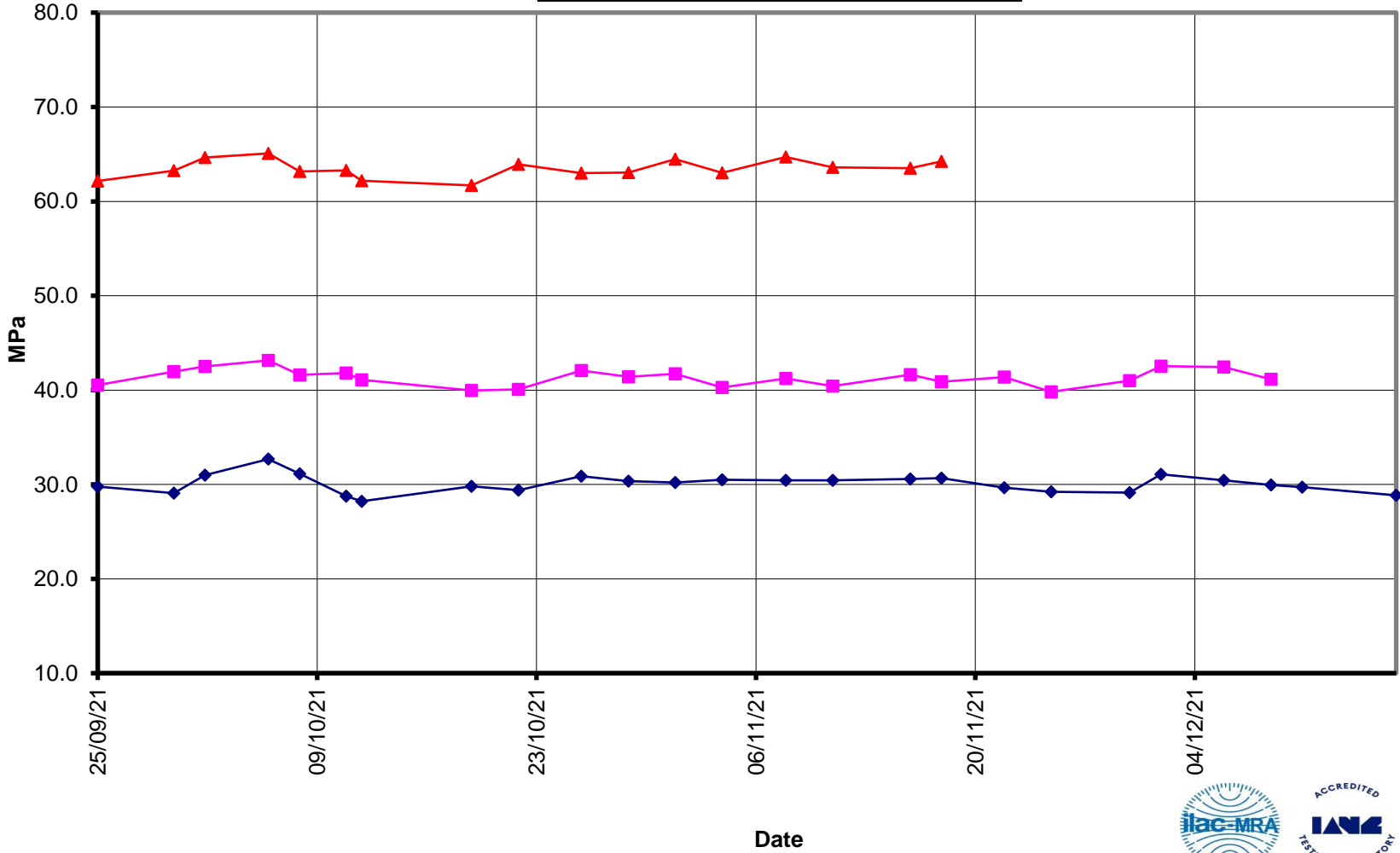


# EverSure™ Type GP Cement



## Compressive Strength ISO-CEN Mortar (Bulk Dispatch)

—▲— 28 Days    —■— 7 Days    —◆— 3 Days





# EverSure™ Type GP Cement



## Compressive Strength Concrete (Bulk Dispatch)

—x— 28 Days    —■— 7 Days    —◆— 3 Days    —x— Slump

