



# QESTLab

## New Zealand Test Methods

Electronic Worksheets are screens that conform to a Standards New Zealand, State Authority or other test method. They collect all the information required by the method, perform calculations and checks according to the method.

QESTLab™ is not restricted to the methods detailed in this list. The Electronic Worksheets outlined here are those that have already been developed for the QESTLab™ system.

New Electronic Worksheets can be quickly developed as a need arises. If you are interested in any test methods not shown in this list, please contact Spectra QEST at [www.spectraquest.com](http://www.spectraquest.com).

This list of test methods is based on QESTLab v3.3

### NZS 3111 - Methods of test for water and aggregate for concrete

- NZS 3111.6:1986 Dry Sieving
- NZS 3111.7:1986 Moisture Content
- NZS 3111.12:1986\* Density and Absorption of Coarse Aggregate
- NZS 3111.13:1986 Cleanness Value
- NZS 3111.14:1986 Crushing Resistance
- NZS 3111.15:1986\* Weathering Resistance
- NZS 3111.16:1986\* Density and Absorption of Sand
- NZS 3111.18:1986 Sand Equivalent
- NZS 3111.19:1986\* Voids Content & Flow Time

### NZS 3112 - Methods of test for concrete

- NZS 3112.3:1986 Shrinkage

### NZS 4402 - Soil compaction tests

- NZS 4402.2.1:1986 Moisture Content
- NZS 4402.2.2 Liquid Limit
- NZS 4402.2.3 Plastic Limit
- NZS 4402.2.4 Plasticity Index
- NZS 4402.2.6 Linear Shrinkage
- NZS 4402.2.7.1:1986 Solid Density - Coarse
- NZS 4402.2.7.2:1986 Solid Density - Med Fine
- NZS 4402.2.8.1:1986 Particle Size Distribution (Wet Method)
- NZS 4402.2.8.2:1986 Particle Size Distribution (Dry Method)
- NZS 4402.2.8.4:1986 Determination of Size Distribution (Hydrometer Method)
- NZS 4402.4.1.1:1986 Maximum Dry Density - Standard
- NZS 4402.4.1.2:1986 Maximum Dry Density - Heavy
- NZS 4402.4.1.3:1986 Maximum Dry Density - Vibrating Hammer
- NZS 4402.6.1.1:1986 California Bearing Ratio
- NZS 4402.6.1.2:1986 California Bearing Ratio (Moisture Average)
- NZS 4402.6.1.2:1986 California Bearing Ratio (Moisture In Situ)
- NZS 4402.6.5.2:1988 Scala Penetration (Inferred CBR)
- NZS 4402.6.5.2:1988 Scala Penetration (Inferred kPa)

**NZS 4407 - Methods of sampling and testing road aggregates**

NZS 4407.3.1:1991 Moisture Content  
NZS 4407.3.2:1991 Cone Penetration Limit  
NZS 4407.3.3:1991 Plastic Limit  
NZS 4407.3.4:1991\* Plasticity index  
NZS 4407.3.5:1991 Clay Index  
NZS 4407.3.6:1991 Sand Equivalent  
NZS 4407.3.7.1:1991 Solid Density - Pycnometer Method  
NZS 4407.3.7.2:1991 Solid Density - Immersion in Water  
NZS 4407.3.8.1:1991 Wet Sieving  
NZS 4407.3.8.2:1991 Dry Sieving  
NZS 4407.3.9:1991 Cleanness Value  
NZS 4407.3.10:1991 Crushing Resistance  
NZS 4407.3.11:1991 Weathering Quality Index  
NZS 4407.3.12:1991 Los Angeles Value  
NZS 4407.3.13:1991 Size And Shape  
NZS 4407.3.14:1991 Broken Faces  
NZS 4407.3.15:1991 California Bearing Ratio  
NZS 4407.4.2.1:1991 Nuclear Field Density  
NZS 4407.4.2.2:1991 Nuclear Field Density

**Transit New Zealand**

TNZ T/1 1977 Benkelman Beam Deflection  
TNZ T/1 1977 Benkelman Beam Deflection (250/0)  
TNZ T/1 1977 Benkelman Beam Deflection (Bowl Characterization)  
TNZ T3 Surface Texture by Sand Circle Method

\*Indicates test screen that allows for the entry of test results and other data required for reporting only (does not perform calculations).

Note: Although every effort has been made to ensure that the above information is correct, Spectra QEST makes no guarantee as to its accuracy.