



# Test Method Coverage

United Kingdom



# Introduction

Electronic worksheets are screens that conform Standards British Standards or other test methods. They collect all the information required by the method and perform calculations and checks according to the method.

QESTLab is not restricted to the test methods detailed here and currently supports more than 600 electronic worksheets for test methods from various jurisdictions around the globe. Support for new test methods is continually being developed as a need arises. In addition, QESTLab also provides functionality that allows the customer to extend the system to incorporate electronic worksheets based on Microsoft Excel.

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- \*Indicates an electronic worksheet that allows for the entry of test results and other data required for reporting only (does not perform calculations).
- &\* Indicates both a full and a reduced worksheet are available.

Method	Name
434 Pt 1: 1984, Appendix D	Residue on Sieving
434 Pt 1: 1984, Appendix F	Water and Binder Content of Emulsion
812 Pt 2: 1995	Particle Density & Water Absorption
812 Pt 2: 1995	Voids & Bulking
812 Pt 2: 1995 Method 6.3	Uncompacted Bulk Density*
812 Pt 103.1: 1985	Particle Size Distribution
812 Pt 105.1: 1989	Flakiness Index
812 Pt 105.2: 1990	Elongation Index
812 Pt 106: 1985	Shell Content*
812 Pt 109: 1990	Moisture Content*
812 Pt 110: 1990	Aggregate Crushing Value*
812 Pt 111: 1990	Ten per Cent Fines Value*
812 Pt 112: 1990	Aggregate Impact Value*
812 Pt 117: 1988 App C	Chloride Content (Acid Soluble)
812 Pt 118: 1988 Method 6	Sulphate Content (Acid Soluble)
812 Pt 120-89	Shrinkage (Metric)*
1377 Pt 2: 1990	Moisture Content*
1377 Pt 2: 1990 Method 4.5	Liquid & Plastic Limit (Casagrande)
1377 Pt 2: 1990 Method 6.5	Linear Shrinkage*
1377 Pt 2: 1990 Method 9.2	Particle Size Distribution (Wet Method)
1377 Pt 2: 1990 Method 9.3	Particle Size Distribution (Dry Method)
1377 Pt 3: 1990 Method 3	Organic Matter*
1377 Pt 3: 1990 Method 5.2	Sulphate Content (Acid Soluble)
1377 Pt 3: 1990 Method 7.3	Chloride Content (Acid Soluble)
1377 Pt 4: 1990 Method 3	Dry Density/Moisture Content
1377 Pt 4: 1990 Method 7	California Bearing Ratio

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Method	Name
1377 Pt 9: 1990	California Bearing Ratio (In Situ)
1377 Pt 9: 1990 Method 2.2	Field Density Sand Replacement
1377 Pt 9: 1990	In-Situ Density and Moisture Content – Nuclear Method*
1377 Pt 9: 1990	Plate Loading Test
1881 Pt 122: 1983	Water Absorption
7263	Dimension, Transverse Strength and Water Absorption of Kerbs*
EN 1097-8: 2000	Polished Aggregate Friction Value*
EN 12350 Pt 11	Self-Compacting Concrete – Sieve Segregation Test
EN 12350 Pt 12	Self-Compacting Concrete – J-Ring Test
EN 12390 Pt 8	Concrete Water Penetration (Cubes)*
EN 12390 Pt 8	Concrete Water Penetration (Cylinder)*
EN 12390 Pt 8	Concrete Water Penetration (Prisms)*
EN 12504-1: 2000	Compressive Strength of Concrete Cores

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## Other Methods Currently Catered for in QESTLab Include:

Method
<b>Concrete</b>
Slump
Air Content
Mass Per Unit Volume of Freshly Mixed Concrete
Compressive Strength
Indirect Tensile Strength
Mass Per Unit Volume of Hardened Concrete
Drying Shrinkage
Compressive Strength of Concrete Cores
<b>Aggregates</b>
Bulk Density of Aggregate
Particle Density & Water Absorption
Particle Size Distribution by Sieving
Material Finer than 75µm in Aggregates
Material Finer than 2µm in Aggregates
Particle Shape, by Proportional Calliper
Flakiness Index
Average Least Dimension
Aggregate Crushing Value
Wet/Dry Strength Variation
Los Angeles Value
Sodium Sulphate Soundness
Weak Particles in Coarse Aggregates
Clay and Fine Silt
Organic Impurities
<b>Soils</b>
Moisture Content
Liquid Limit of a Soil

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<b>Method</b>
Plastic Limit of a Soil
Plasticity Index
Linear Shrinkage
Soil Particle Density
Particle Size Distribution
Dry Density/Moisture Content Relation
Field Density – Nuclear Gauge
Assignment of Maximum Dry Density and Optimum Moisture Content Values
California Bearing Ratio
Penetration Resistance
Permeability
Triaxial Compression Test
Consolidation
<b>Asphalt</b>
Bitumen Content and Aggregate Grading
Stability and Flow-Marshall Procedure
Maximum Density
Voids and Density Relationship for Compacted Asphalt Mixes
Bulk Density of Compacted Asphalt
Field Density of Compacted Asphalt

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

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