

Index of VicRoads Test Methods

Test Method
RC 000.00
January 2020

Method No.	Method Title	Issue Date
100 series	Chemistry and Bitumen	
RC 102.05	Determination of Calcium Oxide Content (Replaced by AS 4489.6.1)	Withdrawn
RC 112.01	Adhesion of Binder to Stone (Stripping Resistance Test)	04/93
RC 112.02	Adhesion of Binder to Stone (Riedel & Weber Test) (Re-issue with correct method number)	03/2014
RC 112.03	Adhesion of Binder to Stone (Establishment of Bond Test)	04/93
RC 112.04	Adhesion of Binder to Stone (Disruption of Bond Test)	04/93
RC 131.00	Residue of Quicklime after Slaking	06/2013
RC 131.01	Lime Saturation Point of Soil (pH Method)	March 2018
200 series	Asphalt and Concrete	
RC 200.01	Sampling of Loose Asphalt	06/2013
RC 200.04	Sampling of Asphalt from a Road Bed before Compaction	06/2013
RC 200.05	Sampling of Asphalt from Trucks Using a Mechanical Sampler (Replaced by AS 2891.1.1)	Superseded
RC 201.01	Design of Asphalt Mixes (Marshall Method)	October 2016
RC 201.12	Design of Asphalt Mixes (Gyratory Compaction Method)	October 2016
RC 201.13	Performance Properties of Asphalt Mixes	06/2013
RC 202.02	Bulk Density of Compacted Asphalt - Presaturation Method	06/2013
RC 210.06	Binder Content and Particle Size Distribution of Asphalt-Ignition Oven (Replaced by Austroads Method AGPT/T234)	Superseded
RC 210.08	Asphalt Binder Paste Drain-off Test (Replaced by Austroads Method AG: PT/T235)	Superseded
RC 211.01	Moisture Content of Mixed Asphalt Products	06/2013
RC 212.01	Recovery of Bituminous Binder from Asphalt for Measurement of Viscosity	06/2013
RC 251.01	Free Water Content of Freshly Mixed Concrete (Microwave Oven Method) (Replaced by AS 1012.23, April 2015)	Superseded
RC 252.01	Slump Flow, T500 and J-Ring Passing Ability for Self Compacting Concrete (SCC) (Replaced by AS 1012.3.5, April 2015)	Superseded

Method No.	Method Title	Issue Date
RC 252.02	Determination of the Tensile Bond Strength of Concrete Repairs and Strengthening Systems (Replaced by AS 1012.24, April 2015)	Superseded
RC 253.01	Determination of Aggregate Moisture Content and Estimated Free Water (using microwave or hot plate)	06/2013
300 series	Soils, Aggregates and Field Density	
RC 300.00	Sampling - General Notes (Replaced by AS 1141.3.1 and AS 1289.1.2.1)	Superseded
RC 300.03	Sampling from Quarry Prospects and Potential Quarry Extensions by Core Drilling (Test not required)	Obsolete
RC 301.01	Initial Preparation from Disturbed Samples	11/2012
RC 301.03	Preparation of Lime Stabilised Materials	11/2012
RC 301.04	Lime Stabilised Earthworks Materials – Available Lime, Assigned CBR & Swell	June 2017
RC 301.05	Pretreatment of Soils and Pavement Materials by Repeated Compaction	11/2012 + errata
RC 301.06	Preparation of Cement Stabilised Materials	11/2012
RC 302.08	Particle Size Distribution and Flakiness Index of Aggregates (Replaced by AS 1141.11 and AS 1141.15)	Superseded
RC 302.11	Flakiness Index of Graded Materials (excluding single-sized aggregates)	March 2018
RC 316.00	Density Ratio and Moisture Ratio Lot Characteristics	October 2019
RC 316.10	Selection of Test Sites within a Test Lot	January 2020
RC 316.10B	Calculator for Selection of Test Sites within a Test Lot	January 2020
RC 316.11	Field Density of a Thick Layer of Pavement Material Using a Nuclear Gauge (Replaced by AS 1289.5.8.1)	Superseded
RC 316.12	Nuclear Gauge Off-set Determination, in Field Density Testing of Asphalt Layers	11/2012
RC 316.14	Moisture Ratio Determination for Assessment of Dry-Back of Granular Pavement Materials	06/2013
RC 317.01	Surface Texture by Sand Patch	10/2012
RC 317.03	Stripping of Aggregate From Sprayed Seals	12/2012
RC 317.04	Surface Texture of Sprayed Seals (Replaced by RC 317.01)	Superseded
RC 317.05	Estimation of Surface Texture Binder Rate Allowances for Sprayed Seals (Replaced by Austroads Seal Design guide (currently 2006))	Superseded
RC 324.01	Calculation of Assigned CBR and Assigned Percent Swell	October 2019
RC 326.01	Weighted Plasticity Index – Calculation of PI x Percent passing 0.425 mm Sieve	April 2016
RC 330.01	Cementitious Binder and Granular Additive Content for the Stabilisation of Pavement Materials	12/2012
RC 330.02	Determination of the Maximum Allowable Working Time for a Cementitious Binder	October 2019
RC 330.03	Density Decay Correction Factor for Materials Stabilised with Cementitious Binder	October 2019
RC 352.02	Cement Content of Portland Cement Concrete	02/2013
RC 353.07	Determination of the Water Soluble Sulphate Content of Crushed Rock	02/2013
RC 353.08	Determination of the Total Sulphur Content of Rock or Soil	02/2013
RC 353.09	Soluble Salts in Soil (Conductivity Method)	12/2012
RC 355.01	Total Surface Area by Retention of Ethylene Glycol Monoethyl Ether (EGME)	12/2012
RC 370.03	Texas Ball Mill Value (Replaced by AS 1141.28)	Superseded
RC 370.05	Degradation Factor - Fine Aggregate	06/2013 + errata
RC 371.03	Aggregate Impact Value	06/2013
RC 372.01	Coarse Aggregate Quality by Visual Assessment	October 2016
RC 372.02	Preparation of Reference Specimens for Sound, Marginal and Unsound Stone	January 2020

Method No.	Method Title	Issue Date
RC 372.04	Foreign Materials in Crushed Concrete Products	06/2013
RC 374.01	Polished Stone Value	03/2014
RC 375.11	Particle Size Distribution of Sealing Aggregate	March 2018
RC 375.12	Percentage of Fine Material (<75 µm) in Sealing Aggregate, by-washing	March 2018
RC 376.03	Accelerated Mortar Bar Test - Alkali-silica reactivity of aggregate	April 2016
RC 376.04	Alkali Aggregates Reactivity using the Concrete Prism Test	06/2013
RC 377.01	Determination of the Fibre Content of Fresh Concrete (Wash-out Method)	March 2019
RC 381.01	Calculation of Robustness of Geotextile Material	11 /2014
400 Series	Pavements	
RC 401.02	Estimated California Bearing Ratio Using Static Cone Penetrometer Tests (Test not required)	Withdrawn
RC 402.01	Estimated California Bearing Ratio Using Dynamic Cone Penetrometer (Replaced by AS 1289.6.3.2)	Superseded
RC 420.02	Pavement Deflection and Curvature using Pavement Strength Evaluator (PaSE)	10/02
RC 421.02	Skid Resistance of a Road Pavement using a SCRIM® Machine	March 2018
RC 422.03	Pavement Roughness (Inertial Laser Profiler Method)	06/01
RC 422.04	Pavement Rutting (Inertial Laser Profiler Method)	06/01
RC 422.05	Texture Depth (Non-Contact Laser Method)	06/01
RC 422.06	Pavement Roughness (ARRB TR Walking Profiler Method)	06/01
RC 422.10	Pavement Roughness, Rutting and Texture Depth Verification Checks for an Inertial Laser Profiler (Replaced by Austroads Test Methods AG/AMT002, AG/AMT010 and AG/AMT014)	Superseded
RC 422.11	Pavement Roughness, Rutting and Texture Depth Repeatability Checks (Replaced Austroads Test Methods AG/AMT004, AG/AMT012 & AG/AMT016)	Superseded
RC 422.12	Pavement Roughness, Rutting and Texture Depth Bias Checks (Replaced by Austroads Test Methods AG/AMT004, AG/AMT012 and AG/AMT016)	Superseded
RC 423.02	Measurement of Surface Levels of Pavement Layers (Random Site Selection)	06/04
RC 423.02B	Random Site Selector Calculator for Surface Level	October 2019
RC 423.03	Ride Quality - Pavement Construction (ARRB TR Walking Profiler Method) (Replaced by RC 422.06)	Withdrawn
RC 423.04	Ride Quality - Pavement Construction (Static Level Method) (Test not required)	Obsolete
RC 423.05	Ride Quality - Pavement Construction (Inertial Laser Profiler Method) (Replaced by RC 422.03)	Withdrawn
RC 423.06	Pavement Rut Depth (Inertial laser Profiler Method) (Replaced by RC 422.04)	Withdrawn
RC 423.07	Pavement Rut Depth (Static Level Method) (Test not required)	Obsolete
RC 423.09	Measurement of Cracking and Patching Defects in a Pavement	04/01
RC 424.01	Determination of Retroreflectivity of Pavement Markings (using the Mirolux 30 reflectometer)	12/2012
900 series	Calibrations	
RC 900.02	Checking the Accuracy of Perforated Plate Sieves	06/98
RC 900.04	Function Check of a Nuclear Density/Moisture Gauge	10/02
RC 910.05	Calibration of Stopwatch (basis for method withdrawn 30 Sept 2019)	Obsolete
RC 910.06	Calibration of a Timer (basis for method withdrawn 30 Sept 2019)	Obsolete
RC 910.09	Calibration of the Cross-sectional Area of a Mould	06/98
RC 911.01	Determination of the Volume of a Cylindrical Mould using Water	06/98
RC 911.02	Calibration of a Soils Compaction Hammer	06/98
RC 911.09	Calibration of a Drying Oven	09/96

Errata Table – minor corrections to methods (method not re-issued)

Method No.	Method title	Clause/Step	Change to Method / New text
RC 301.05	Pretreatment of Soils and Pavement Materials by Repeated Compaction	3(d)(iii)	Repeat steps (d) (i) and (ii) until the
RC 370.05	Degradation Factor - Fine Aggregate	4(f)	... constant mass at 105 – 110°C and

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VicRoads Test Method - Revision Summary
RC 000.00 – Index of VicRoads Test Methods

Date	Action	Relevant Document	Authorised by
January 2020	New issue Re-issue	RC 316.10B RC 316.10, RC 372.02	Manager - Construction Materials
October 2019	New issue Obsolete	RC 316.00, RC 324.01, RC 330.02, RC 330.03, RC 423.02B RC 910.05, RC 910.06	Manager - Construction Materials
March 2019	New issue	RC 377.01	Manager - Construction Materials
March 2018	New issue Re-issue Errata	RC 375.11, RC 375.12 RC 131.01, RC 302.11, RC 316.00, RC 316.10, RC421.02 RC 370.05	Manager - Construction Materials
June 2017	Correction Re-issue Errata table	Re-dated RC 131.01 to June 2013 RC 301.04, RC 302.11, RC 324.01, Introduced	Manager - Construction Materials
October 2016	New issue	RC 201.01, RC 201.12, RC 301.04, RC 372.01	Manager - Construction Materials
April 2016	New issue Superseded Withdrawn or Obsolete Removed from Index	RC 301.04, RC 316.00, RC 324.01, RC 326.01, RC 372.01, RC 372.02, RC 376.03 RC 251.01, RC 252.01, RC 252.02, RC 422.10, RC 422.11 & RC 422.12. RC 423.03, RC 423.04, RC 423.05, RC 423.06, RC 423.07. RC 422.07, RC 422.08, RC 422.09, RC 423.01, RC 423.08 RC 911.10, RC 911.11, RC 911.12, RC 911.13, RC 911.21	Manager - Construction Materials
Nov 2014	New issue	RC 381.01	Manager - Construction Materials
August 2014	New issue Withdrawn	RC 131.01, RC 376.03 RC 102.05	Manager - Construction Materials
March 2014	New issue Superseded Withdrawn	RC 112.02, RC 201.01, RC 201.12, RC 252.01, RC 330.02, RC 374.01, RC 376.03 RC 911.10, RC 911.12, RC 911.21 RC 422.07, RC 422.08, RC 422.09, RC 423.01, RC 423.08 RC 911.11, RC 911.13, RC 912.00,	Manager - Construction Materials
Dec 2013	Chemistry and Bitumen methods	100 series TM withdrawn and obsolete removed from index : RC 111.01, RC 111.02, RC 111.06, RC 112.07, RC 154.01 RC 154.02, RC 155.00, RC 155.01, RC 155.02, RC 155.03 RC 155.04, RC 156.01, RC 156.02	Manager - Construction Materials