

# VOLUME 2 - INDEX

## BINDERS

### REVISION SUMMARY

<b>Date</b>	<b>Clause Number</b>	<b>Description of Revision</b>	<b>Authorised By Gen Mgr Pavements</b>
June 1999		Reformatted and Revision Summary Added	<b>D. Dash</b>
July 1999		Test Methods T569,T649,T623 Added(New Issues)	<b>D. Dash</b>
August 1999		Test Methods T646,T647,T648 Added(New Issues)	<b>D. Dash</b>
Sept 1999		Test Methods T501-519 Reformatted Test Methods T533-535 Reformatted Test Methods T530 Title Revised	<b>D. Dash</b>
Jan 2000		Test Methods Reformatted T560/561/568/581/590/603/612/614/615/616/617 620/631/632/635/640/643/730/731/732/733/737 Test Methods Revised T522/536/541/567/582/600/601/602/604/605/606 607/608/609/610/611/613/618/622/703/712/734 735/736/738/739/740/741/742 Test Methods Withdrawn T562/563/564/565/566	<b>D. Dash</b>
May 2000		Test Method T640 Revised	<b>D. Dash</b>
Oct 2001		Test Method T640 Revised	<b>D. Dash</b>
Nov 2002		Test Method T604 Revised	<b>D. Dash</b>
Jun 2003		Test Method T742 Revised	<b>D. Dash</b>
Sept 2003		Test Method T514 Revised	<b>D. Dash</b>
Mar2004		Test Method T514 Revised	<b>G. Hall</b>
Jul 2004	T542	Details Added	<b>G. Hall</b>
Jul 2004	Volume 2 Index	Header Pages 2 and 4 Corrected	<b>G. Hall</b>
Jul 2004	T640	Revision Date Altered	<b>G. Hall</b>
Oct 2006	T617	Renumbered to T658	<b>G. Donald</b>
Oct 2006	T655	New Issue – Craig Brady	<b>G. Donald</b>

Oct 2006	T656	New Issue – Craig Brady	<b>G. Donald</b>
Oct 2006	T657	New Issue – Craig Brady	<b>G. Donald</b>
Oct 2006	T658	Test Method number changed from T617 to T658. Title Revised Only - Craig Brady	<b>G. Donald</b>
Nov 2006	T655	New Issue – Craig Brady	<b>G. Donald</b>
Nov 2006	T656	New Issue – Craig Brady	<b>G. Donald</b>
Nov 2006	T657	New Issue – Craig Brady	<b>G. Donald</b>
Apr 2008	T743	New Method – John Cunningham	<b>D. Hazell</b>
Sep 2008	T514	New Issue. Based on “Austroads” TM and the MRWA Test Method WA 326.2.	<b>D. Hazell</b>
Mar 2009	T542	Incorporate wet & dry requirements. Title revised. Diagrams removed	<b>J. Friedrich</b>
Mar 2009	T631	Generally revised and reformatted Title Revised	<b>D. Hazell</b>
Mar 2009	T632	Made consistent with T 631 Title Revised	<b>D. Hazell</b>
Mar 2009	T737	Generally revised Title Revised	<b>J. Friedrich</b>
Jun 2009	T590	Reformatted with minor revisions. Standardised temperature tolerances.	<b>J. Friedrich</b>
Sept 2009	T741	Reformatted. Changed Title. Updated to use AG:PT/T121	<b>J. Friedrich</b>
Jan 2010	T736	New Issue. Extensively revised and rewritten to improve reporting clarity and facilitate estimation of measurement of uncertainty	<b>D. Hazell</b>
Jan 2010	T504	Reformatted.	<b>D. Hazell</b>
Jan 2010	T516	Reformatted.	<b>D. Hazell</b>
Jan 2010	T517	Reformatted.	<b>D. Hazell</b>
Jan 2010	T519	Reformatted. Title amended.	<b>D. Hazell</b>
Jan 2010	T522	New issue. Title changed. The method has been expanded to include penetration and viscosity testing.	<b>D. Hazell</b>



# VOLUME 2 - INDEX

## BINDERS

Test Method Number	Test Method	Date of Issue or Revision
<b>(a) Bitumen and Binders (General)</b>		
T501	Freedom from foaming of bituminous materials	November 2012
T502	Density of bituminous materials	November 2012
T504	Flash point by Pensky-Martens open cup tester	November 2012
T505	Softening point of bituminous and resinous material (ring and ball method)	November 2012
T506	Penetration of bituminous material	November 2012
T507	Ductility of bituminous material	November 2012
T508	Proportion of bituminous material insoluble in toluene	November 2012
T510	Viscosity of CAM and HBC bitumen emulsion – Redwood No.2	November 2012
T511	Loss on heating of bitumen (thin film oven test)	November 2012
T512	Flash point by modified Abel apparatus	November 2012
T514	Asphaltenes in bituminous material	November 2012
T515	Heptane Xylene equivalent of bituminous materials	November 2012
T516	Distillation of cutback bitumen	November 2012
T517	Rolling thin film oven (RTFO) test for bitumen	November 2012
T518	Viscosity of bituminous materials by Cannon Fenske opaque reverse flow viscometer	November 2012
T519	Apparent viscosity by the 'Shell' sliding plate viscometer	November 2012
T521	Quantification of polymer modified binders using infrared spectrum	November 2012
T522	Penetration and properties of binder recovered from asphalt	November 2012
<b>(b) Tar</b>		
T530	Consistency of the Engler viscometer	November 2012
T533	Water content of bituminous material, petroleum products, and bitumen emulsion	November 2012
T534	Residue on sieving of bituminous material and bitumen emulsion	November 2012
T535	Dynamic viscosity of bituminous materials by the vacuum capillary viscometer	November 2012
T536	Determination of viscosity by the Epprecht-Rheomat 15	November 2012
T541	Surface tension of tars and oils (Nellensteyn's method)	November 2012
T542	Identification of tar containing asphalt	November 2012

---

<b>Test Method Number</b>	<b>Test Method</b>	<b>Date of Issue or Revision</b>
<b>(c) Bitumen Emulsion</b>		
T560	Apparent bitumen content of bitumen emulsion and recovery of bitumen for testing	November 2012
T561	Non-volatile emulsifying agent in bitumen emulsion	November 2012
T562	Particle charge of bitumen emulsion	Withdrawn
T563	Apparent bitumen content of Anionic bitumen emulsion	Withdrawn
T564	Mixing test for bitumen emulsion	Withdrawn
T565	Stability of emulsion (anionic or cationic) to mixing with coarse aggregate	Withdrawn
T566	Stone coating water resistance of bitumen emulsion	Withdrawn
T567	Settlement rate of bitumen emulsion	November 2012
T568	Resistance to stripping of aggregates and bitumen emulsions	November 2012
T569	Compatability of bitumen emulsion with local water	November 2012
T581	Binder application rate from carpet tiles	November 2012
T582	Application rate for enrichment or rejuvenation treatment	November 2012
<b>(d) Additives and Precoats</b>		
T590	Homogeneity of liquid precoates and adhesion agents	November 2012
<b>(e) Bituminous Mixes</b>		
T600	Methods for sampling materials used in bituminous sealing works	November 2012
T601	Compaction of test specimens of dense graded bituminous mixtures – modified Hubbard-Field procedure	November 2012
T602	Compaction of test specimens of asphalt – Marshall procedure	November 2012
T603	Stability of dense graded bituminous mixtures modified Hubbard-Field procedure	November 2012
T604	Stability and flow value of dense graded bituminous mixtures – Marshall procedure	November 2012
T605	Maximum density of bituminous plant mix (methylated spirit displacement method)	November 2012
T606	Bulk density of compacted dense graded bituminous mixtures	November 2012
T607	Bitumen content and aggregate grading (Reflux method)	November 2012
T608	Bitumen content of bituminous plant mix	November 2012
T609	Bitumen content and aggregate grading of bituminous mixes Rotarex method	November 2012
T610	Tar content and grading of dense tar mixes	November 2012
T611	Compaction of test specimens of bituminous mixes by vibratory compaction	November 2012
T612	Tar content of dense tar mixes	November 2012

<b>Test Method Number</b>	<b>Test Method</b>	<b>Date of Issue or Revision</b>
T613	Moisture content of bituminous mixes	November 2012
T614	Adhesion of binder in bituminous cold mix	November 2012
T615	Bulk density and stability of bituminous cold mix modified Hubbard-Field procedure	November 2012
T616	Estimated oil content of total binder of cold mix	November 2012
T617	Water permeability of bituminous pavements (renumbered to T658)	November 2012
T618	Density of aggregate in bituminous material	November 2012
T620	Tack Coat Bond Strength	November 2012
T622	Volatile Content of Cold Mix	November 2012
T623	Binder Content and Grading of Cold Mix	November 2012
T631	Coring of pavements (wet method)	November 2012
T632	Coring of pavements (dry method)	November 2012
T635	Asphalt Compaction by Automated Compactor (Ash Pac)	Withdrawn
T640	Propensity for moisture damage in asphalt (specimens compacted in the laboratory)	November 2012
T643	Binder Film Index	November 2012
T646	Mix Volume Ratio(Dry Mix)	November 2012
T647	Dynamic Binder Drainage Test	November 2012
T648	Static binder drainage test	November 2012
T649	Propensity for Moisture Damage in Asphalt (Cores)	November 2012
T655	Permeability of Asphalt (Ponding Method)	November 2012
T656	Water Permeability of Bituminous Pavements (Method 1 – Low Flow Falling Head Field Permeameter)	November 2012
T657	Water Permeability of Bituminous Pavements (Method 2 – High Flow Falling Head Field Permeameter)	November 2012
T658	Water Permeability of Bituminous Pavements (Method 3-Constant Head Field Permeameter (Zube))	November 2012
T659	Methylene Blue Adsorption Value of Road Construction Material	November 2012
T660	Moisture content of hot bituminous mixes (mass loss method)	November 2012
T661	Mixing, quartering and conditioning of asphalt prepared in the laboratory	November 2012
T662	Compaction of asphalt test specimens (using a gyratory compactor)	November 2012

---

<b>Test Method Number</b>	<b>Test Method</b>	<b>Date of Issue or Revision</b>
<b>(f) Oils</b>		
T703	Flash Point by Pensky-Martens Closed Tester	November 2012
T712	Sediment in Fuel Oils by Extraction	November 2012
<b>(g) Rubber Bitumen</b>		
T730	Sieve Analysis of Scrap Rubber	November 2012
T731	Moisture Content of Scrap Rubber	November 2012
T732	Metallic Ion Content of Scrap Rubber	November 2012
T733	Bulk Density of Scrap Rubber	November 2012
T734	Foaming Caused by Scrap Rubber Addition to Bitumen	November 2012
T735	Laboratory Preparation of Rubber Bitumen Mixes	November 2012
T736	Flow Test for Rubber Bitumen Mixes	November 2012
T737	Rubber Content of Scrap Rubber Mix	November 2012
T738	Particle Shape of Scrap Rubber	November 2012
T739	Torsional Recovery of Polymer Modified Bitumen	November 2012
T740	Segregation Test for Bituminous Binders	November 2012
T741	Consistency, Stiffness, Elastic Recovery And Tensile Modulus Of Polymer Modified Binders (ARRB Elastometer)	November 2012
T742	Plastic Limit of Modified Binders	November 2012
T743	Colour of Blond Binders for Asphalt	November 2012

---