

Australian/New Zealand Standard™

**Methods of testing bitumen and related  
roadmaking products**

**Part 0: General introduction and list of  
Standards**

## **AS/NZS 2341.0:2002**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH-025, Bitumen and Related Products for Roadmaking. It was approved on behalf of the Council of Standards Australia on 23 May 2002 and on behalf of the Council of Standards New Zealand on 6 June 2002. It was published on 24 June 2002.

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The following are represented on Committee CH-025:

ARRB Transport Research  
Australian Asphalt Pavement Association  
Australian Chamber of Commerce and Industry  
AUSTROADS  
National Association of Testing Authorities  
New Zealand Bitumen Contractors Association  
Opus International Consultants New Zealand

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### **Part 0: General introduction and list of Standards**

Originated as AS/NZS 2341.0:1994.  
Second edition 2002.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4554 7

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**GENERAL INTRODUCTION**

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH-025 Bitumen and Related Products for Roadmaking, as part of an overall program of revision and updating of the following series of products Standards related to bitumen:

**AS**

- |      |   |
|------|---|
| 1160 | Bitumen emulsions for the construction and maintenance of pavements |
| 2008 | Residual bitumen for pavements                                      |
| 2150 | Hot mix asphalt   |
| 2157 | Cutback bitumen   |

In the preparation of this series, reference was made to relevant Australian (AS) Joint Australian/New Zealand (AS/NZS), British (BSI and IP) and American (ASTM) Standards.

The methods are primarily intended for the servicing of relevant Standards for bitumen and related roadmaking products, but may also find application in investigational field work.

When stipulated in a Standard, the methods form part of that Standard but may be subject to any qualifications or modifications so specified.

## LIST OF STANDARDS

No.	Title	
AS/NZS 2341.1	Part 1:	Precision data—Definitions
AS 2341.2	Method 2:	Determination of dynamic (coefficient of shear) viscosity by flow through a capillary tube
AS 2341.3	Method 3:	Determination of kinematic viscosity by flow through a capillary tube
AS 2341.4	Method 4:	Determination of dynamic viscosity by rotational viscometer
AS/NZS 2341.5	Method 5:	Determination of apparent viscosity by 'Shell' sliding plate micro-viscometer
AS 2341.6	Method 6:	Determination of density using a hydrometer
AS 2341.7	Method 7:	Determination of density using a density bottle
AS 2341.8	Method 8:	Determination of matter insoluble in toluene
AS 2341.9	Method 9:	Determination of water content (Dean and Stark)
AS/NZS 2341.10	Method 10:	Determination of the effect of heat and air on a moving film of bitumen (rolling thin film oven (RTFO) test)
AS 2341.11	Method 11:	Determination of ductility
AS 2341.12	Method 12:	Determination of penetration
AS/NZS 2341.13	Method 13:	Long-term exposure to heat and air
AS 2341.14	Method 14:	Determination of flashpoint of residual bitumen
AS 2341.15	Method 15:	Distillation of cutback bitumen
AS 2341.16	Method 16:	Determination of flashpoint of cutback bitumen
AS 2341.17	Method 17:	Determination of distillation properties of tar
AS 2341.18	Method 18:	Determination of softening point (ring and ball method)
AS 2341.19	Method 19:	Determination of matter insoluble in quinoline for tar
AS/NZS 2341.20	Method 20:	Determination of sieve residue for bituminous materials
AS/NZS 2341.21	Method 21:	Sample preparation
AS/NZS 2341.22	Method 22:	Determination of particle charge
AS/NZS 2341.23	Method 23:	Determination of residue from evaporation
AS/NZS 2341.24	Method 24:	Calculation of non-aqueous volatiles content (by difference)
AS 2341.25	Method 25:	Determination of consistency
AS/NZS 2341.26	Method 26:	Determination of sieve residue
AS/NZS 2341.27*	Method 27:	Determination of sedimentation
AS 2341.28	Method 28:	Determination of stone coating ability and water resistance
AS 2341.29	Method 29:	Determination of breaking behaviour by setting time
AS/NZS 2341.30	Method 30:	Recovery of residue from bituminous emulsion
AS 2341.31	Method 31:	Measurement of water content of emulsions by automated Karl Fischer titration
AS 2341.32*	Method 32:	Determination of pH of bituminous emulsions

\*These test methods are in the process of being reviewed to include precision information.

NOTES

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