

Australian/New Zealand Standard™

Methods of testing bitumen and related roadmaking products

Method 2: Determination of dynamic viscosity by vacuum capillary viscometer

AS/NZS 2341.2:2015

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH-025, Bitumen and Related Products (for Roadmaking) to supersede AS 2341.2—1993, *Methods of testing bitumen and related roadmaking products*, Method 2: *Determination of dynamic (coefficient of shear) viscosity by flow through a capillary tube*.

The most significant modifications are removal of references to tables and addition of a table on viscometers to be used based on Table 2 of Austroads AG:PT/161 *Determination of dynamic viscosity by flow through a capillary tube—Test tube schedule* to indicate the types of Asphalt Institute vacuum capillary viscometers (including recognition of the AI 400R and AI 800R) to be used with different classes of bitumen. ASTM 2171 *Standard Test Method for Viscosity of Asphalts by Vacuum Capillary Viscometer* has also been referenced in this Standard.

METHOD

1 SCOPE

This Standard sets out procedures for the determination of dynamic viscosity of materials having viscosities in the range 0.0036 Pa.s to 580 000 Pa.s, using two different types of vacuum capillary viscometers. In particular, the method is applicable to bitumen for pavements (as specified in AS 2008), and cutback bitumen (as specified in AS 2157).

2 SAFETY DISCLAIMER

WARNING: THE USE OF THIS STANDARD MAY INVOLVE HAZARDOUS MATERIALS, OPERATIONS AND EQUIPMENT. THIS STANDARD DOES NOT PURPORT TO ADDRESS ALL OF THE SAFETY PROBLEMS ASSOCIATED WITH ITS USE. IT IS THE RESPONSIBILITY OF THE USER OF THIS STANDARD TO ESTABLISH APPROPRIATE SAFETY AND HEALTH PRACTICES AND DETERMINE THE APPLICABILITY OF REGULATORY LIMITATIONS PRIOR TO USE.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
2008	Bitumen for pavements
2157	Cutback bitumen