Australian/New Zealand Standard™

Methods of sampling and testing asphalt
Method 13.1: Determination of the resilient modulus of asphalt—Indirect tensile method

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CE-006, Asphalt and Sprayed Surfacing, to supersede AS 2891.13.1—1995.

METHOD

1 SCOPE

This Standard sets out the method for the laboratory determination of the resilient modulus of asphalt using repeated load indirect tensile techniques.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1545	Methods for the calibration and grading of extensometers
2193	Calibration and classification of force-measuring systems
2891	Methods of sampling and testing asphalt
2891.1.2	Method 1.2: Sampling—Coring method
2891.2.2	Method 2.2: Sample preparation—Compaction of asphalt test specimens using a gyratory compactor
4115	Hand torque tools

3 DEFINITION

For the purpose of this Standard the definition below applies.

3.1 Resilient horizontal deformation

The difference between the peak horizontal deformation associated with a load pulse and the horizontal deformation at the end of the rest time of that load pulse (see Figure 1).