

# Australian/New Zealand Standard™

AS/NZS 2891.3.1:2013

## Methods of sampling and testing asphalt

### Method 3.1: Binder content and aggregate grading—Reflux method

#### PREFACE

This Standard was prepared by the Joint Standards/Standards New Zealand Committee CE-006, Asphalt and Sprayed Surfacing, to supersede AS/NZS 2891.3.1:1997, *Methods of sampling and testing asphalt, Part 3.1: Bitumen content and aggregate grading—Reflux method*.

#### METHOD

#### 1 SCOPE

The Standard sets out the method for determining, by hot solvent extraction, the binder content of mixes containing a bituminous binder and subsequently the particle size distribution of aggregate by sieve analysis.

#### 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

##### AS

- |           |   |
|-----------|---|
| 1141      | Methods for sampling and testing aggregates   |
| 1141.11.1 | Method 11.1: Particle size distribution—Sieving method  |
| 1152      | Specification for test sieves   |
| 1681      | Safety requirements for electrically heated Type 1 ovens in which flammable volatiles can occur |
| 3568      | Oils for reducing the viscosity of residual bitumen for pavements                               |

##### AS/NZS

- |          |   |
|----------|---|
| 2243     | Safety in laboratories                  |
| 2243.8   | Part 8: Fume cupboards                  |
| 2891     | Methods of sampling and testing asphalt |
| 2891.1.1 | Method 1.1: Sampling—Loose asphalt      |

##### Safe Work Australia

Exposure standards for atmospheric contaminants in the occupational environment

#### 3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 2891.1.1 apply.