

Australian/New Zealand Standard™

Methods of sampling and testing asphalt

Method 14.5: Field density tests—Density ratio and percentage air voids of compacted asphalt

AS/NZS 2891.14.5:2014

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CE-006, Asphalt and Sprayed Surfacing, to supersede AS/NZS 2891.14.5:1999, *Methods of sampling and testing asphalt*, Method 14.5: *Field density tests—Density ratio of compacted asphalt*.

The objective of this revision is to introduce a method for expressing asphalt compaction by in-situ air void content.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

METHOD

1 SCOPE

This Standard sets out the method for determining the density ratio and percentage air voids of in-situ compacted asphalt. It is applicable to asphalt having a nominal size not exceeding 40 mm.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

2150 Hot mix asphalt—A guide to good practice

2891 Methods of sampling and testing asphalt

2891.1.2 Method 1.2: Sampling—Coring method

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2891 Methods of sampling and testing asphalt

2891.1.1 Method 1.1 Sampling—Loose asphalt

2891.7.1 Method 7.1: Determination of maximum density of asphalt—Water displacement method

2891.7.3 Method 7.3: Determination of maximum density of asphalt—Methylated spirits displacement

2891.9.1 Method 9.1: Determination of bulk density of compacted asphalt—Waxing procedure

2891.9.2 Method 9.2: Determination of bulk density of compacted asphalt—Presaturation method