

AS 2150:2020



Asphalt — A guide to good practice



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- Australian Road Research Board (ARRB)
- Australian Asphalt Pavement Association
- Australian Chamber of Commerce and Industry
- Austroads
- National Association of Testing Authorities Australia

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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee CE-006, Asphalt and Sprayed Surfacing, to supersede AS 2150—2005, *Hot mix asphalt—A guide to good practice*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this document as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide manufacturers, specifiers and designers of asphalt mixes with recommendations for the manufacture and placing of asphalt for use in pavements.

This Standard is not intended for use as a project specification. Project specifications for most road pavement applications include standard specification documents issued by state road authorities, local government, the Australian Asphalt Pavement Association and AUS-SPEC (NatSpec).

Reference to this Standard may be made in specifications for minor works, in which case the Standard may be used to determine appropriate selection of materials, asphalt manufacture and standards of workmanship.

The objective of this revision is to incorporate improvements based on user experience and reflect technical developments taking place in the industry.

The major changes in this edition are as follows:

- (a) Amendment of the title.
- (b) Addition of a definition and description for warm mix asphalt.
- (c) Revision of [Appendix A](#) to remove some details relating to safe working practices that are defined elsewhere in relevant legislation and supplier responsibilities.
- (d) Deletion of [Appendix C](#) referring to basis of payment for asphalt work.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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NOTES

Australian Standard[®]

Asphalt — A guide to good practice

1 Scope

This Standard sets out recommendations for the manufacture, supply and placing of asphalt, both hot mix and warm mix, for use in pavements, including the following:

- (a) Materials in the asphalt.
- (b) Asphalt properties.
- (c) Asphalt mix design.
- (d) Manufacturing, storage and delivery.
- (e) Sampling and testing.
- (f) Preparation of surfaces.
- (g) Spreading.
- (h) Compaction.
- (i) Finished surface properties.
- (j) Selection of type of asphalt.

This Standard includes typical composition and test properties for most common uses; however, this does not preclude the use of alternative components or mix properties to meet specific performance requirements.

This Standard does not include recommendations for cold mix asphalt prepared without heating or designed to be placed cold as maintenance patching material.

NOTE 1 Guidance on asphalt planning is given in [Appendix A](#).

NOTE 2 Guidance on selection of types of asphalt is given in [Appendix B](#).

NOTE 3 Guidance on principles of asphalt mix design is given in [Appendix C](#).

2 Normative references

There are no normative references in this document.

NOTE Documents referenced for informative purposes are listed in the Bibliography.

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1

added filler

mineral matter, suitable for use in asphalt that is added to the combined aggregate of an asphalt mix

Note 1 to entry: At least 75% of the filler should be finer than 0.075 mm. The entire filler should be finer than 0.600 mm.