

Australian Standard[®]

Coal and coke—Glossary of terms

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The following interests are represented on Committee MN/1:

Australasian Institute of Mining and Metallurgy
Australian Institute of Energy
Australian Mining Industry Council
Australian Chamber of Commerce and Industry
Australian Coal Association
Australian Coal Industry Research Laboratories
Australian Coal Preparation Society
Bureau of Steel Manufacturers of Australia
CSIRO, Division of Coal and Energy Technology
Department of Minerals and Energy, Queensland
Electricity Supply Association of Australia
Institution of Engineers, Australia
Queensland Coal Board
Royal Australian Chemical Institute
Standing Committee on Coalfield Geology of New South Wales
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PREFACE

This Standard was prepared by the Standards Australia Committee on Coal and Coke, as a revision of AS 2418.

The following Standards are superseded by this Standard:

AS

2418 Glossary of terms relating to solid mineral fuels

2418.1 Part 1: Terms relating to coal preparation

2418.2 Part 2: Terms relating to coal mining and geology

2418.3 Part 3: Terms relating to brown coal

2418.4 Part 4: Terms relating to sampling, sample preparation, analysis, testing and statistics

2418.5 Part 5: Terms relating to the petrographic analysis of bituminous coal and anthracite (hard coal)

2418.6 Part 6: Terms relating to coal utilization and coke

2418.7 Part 7: Terms relating to coal classification

A list of referenced and related documents is presented in Appendix A.

Where two-word terms consist of a noun and an adjective, the definition is provided with the noun, and a reference is made with the adjective; this philosophy is not used if the two words are never used separately.

Non-preferred terms are given in light typeface.

The particular coal discipline in which the term is used is presented in the column headed 'Used in'. The following legend is used in this column:

AT = analysis and testing

CF = coal flow

CK = coke

CL = coal classification

CP = coal preparation

LR = lower rank coal

MG = coal mining and geology

PT = petrography

SP = sampling and sample preparation

UT = coal utilization

A list of symbols used for terms defined in this Standard is presented in Appendix B.

The objective of this Standard is to provide users with an indication of what is generally understood in an Australian context by the terms that are commonly encountered in the coal industry.

The terms 'normative' and 'informative' have been used in this Standard 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 for information and guidance only.

Originated in part as AS K140—1966.

Previous edition AS 2418.1 — 1980, AS 2418.2 — 1982, AS 2418.3—1982,

AS 2418.4 — 1982, AS 2418.5—1982, AS 2418.6— 1982 and AS 2418.7— 1982.

Revised and redesignated AS 2418— 1995.

STANDARDS AUSTRALIA

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A

Term	Used in	Explanation
abrasion index	AT; UT	An index calculated from the mass lost by abrasion of four standard metal blades, when rotated in a standard mass of coal under specified conditions (<i>see</i> AS 1038.19). Symbol: <i>AI</i>
absolute deviation	AT	<i>See</i> deviation, absolute.
accuracy, sampling	SP	A measure of the closeness with which a sample represents the coal or coke from which it is taken.
accuracy of a method	AT	A measure of the ability of a method to provide a true value.
accuracy of a result	AT	The closeness of agreement between an experimental result and the true value. The accuracy of a result is not to be confused with its precision. A determination may be made with great precision, so that the standard deviation of a number of determinations on the same consignment of coal or coke may therefore be low, but the results will be accurate only if they are free from bias.
action, integral	CP	The action of a control element whose output signal changes at a rate that is proportional to the change of input with respect to time.
action, proportional	CP	The action of a control element having an output signal proportional to its input signal.
activating agent	CP	<i>See</i> activator.
activator	CP	A substance that when added to a pulp promotes flotation in the presence of a collecting agent.
active stockpile	CP	<i>See</i> stockpile.
actual performance curve	CP	<i>See</i> performance curve, actual.