
Coal and coke — Vocabulary —
Part 1:
Terms relating to coal preparation

Charbon et coke — Vocabulaire —

Partie 1: Termes relatifs à la préparation du charbon

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 27, *Coal and coke*, Subcommittee SC 1, *Coal preparation: Terminology and performance*.

This third edition cancels and replaces the second edition (ISO 1213-1:1993), which has been technically revised.

A list of all parts in the ISO 1213 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document takes into account the distinction between processes or operations and the methods or machines for carrying them out.

[Clause 3](#) is devoted primarily to coal properties and the principal operations involved in coal preparation, and also includes general terms such as those relating to capacities and flowsheets.

[Clauses 4](#) to [7](#) cover the detailed terminology relating to sizing, cleaning, separation of solids from water or air, and size reduction.

[Clause 8](#) deals with the terms involved in interpreting or expressing the results of coal preparation operations.

[Clause 9](#) includes some miscellaneous terms.

[Clause 10](#) covers terms related to blending and homogenization.

[Clause 11](#) covers terms related to automatic control. Of necessity, it covers only a limited selection of terms. A list of other International Standards, which together provide a more comprehensive set of terms, is given in Bibliography.

Most of the clauses are subdivided, and in each case the first subclause includes general terms and the remaining subclauses cover groups of related terms. As far as possible, this logical principle has been carried through into the arrangement of the terms themselves, which are also numbered for ease of reference. An alphabetical index is also provided, with a numerical cross-reference.

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Coal and coke — Vocabulary —

Part 1: Terms relating to coal preparation

1 Scope

This document defines terms commonly employed in coal preparation.

Note For terms relating to petrographic analysis, see ISO 7404-1.

2 Normative reference

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1 General coal preparation terms

3.1.1 **coal preparation**

collectively, physical and mechanical processes applied to coal to make it suitable for a particular use

3.1.2

run of mine

r.o.m.

r.o.m. coal

coal produced by mining operations, before screening, *crushing* (7.1.2) or preparation

3.1.3

raw coal

coal that has received no preparation other than possibly *screening* (4.2.1) or *crushing* (7.1.2)

3.1.4

raw coal feed

raw coal (3.1.3) supplied to a plant or machine, in which it undergoes some form of preparation

3.1.5

coal cleaning

treatment of *raw coal* (3.1.3) to lower the quantity of undesirable constituents, through the difference in either density or surface properties