
**Granulated cork and cork powder —
Classification, properties and packing**

*Granulés et poudre de liège — Classification, caractéristiques et
emballage*

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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 87, *Cork*.

This third edition cancels and replaces the second edition (ISO 1997:1992), of which it constitutes a minor revision. The following changes have been included:

- minor editorial details have been introduced in this edition;
- three International Standards cited in Clause 2 have been moved to Bibliography.

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

The use of granulated cork which has been packed and transported in pressed bales presents some problems for the ultimate user, particularly with regard to bringing its apparent density back to pre pressing level.

The attention of suppliers is drawn to the necessity of avoiding too high a rate of compression, which might considerably affect the characteristics of the granulated cork as available to the ultimate user.

This compression should not affect either the bulk density or the granule size values except specific tolerances agreed between seller and buyer.

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Granulated cork and cork powder — Classification, properties and packing

1 Scope

This document specifies the classification and properties of granulated cork and cork powder before pressing, as well as the methods of packing.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 633, *Cork — Vocabulary*

ISO 2190, *Granulated cork — Determination of moisture content*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 633 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/>

4 Classification

Granulated cork and cork powder are classified according to the size of the granules and their bulk density.

4.1 Classification by grain size

Granulated cork and cork powder, tested as described in ISO 2030:2018, Clause 6, are classified according to the apertures of the upper and lower sieves, showing the granule size distribution obtained.

4.2 Classification by bulk density

Granulated cork tested as described in ISO 2031 is classified into six groups according to bulk density, as shown in [table 1](#).

Table 1 — Classification by bulk density

Classification	Bulk density, ρ kg/m ³
40/50	$40 < \rho \leq 50$
50/60	$50 < \rho \leq 60$
60/80	$60 < \rho \leq 80$

Table 1 (continued)

Classification	Bulk density, ρ kg/m ³
80/100	$80 < \rho \leq 100$
100/120	$100 < \rho \leq 120$
>120	$\rho > 120$

5 Designation

Granulated cork and cork powder are designated by their granule size (maximum and minimum) and their bulk density.

EXAMPLE Granulated 1/2 — 40/50.

6 Properties

6.1 Granule size

See [4.1](#) and ISO 2030.

6.2 Bulk density

See [4.2](#) and ISO 2031.

6.3 Moisture

Granulated cork and cork powder shall be described as commercially dry if their moisture content, determined in accordance with ISO 2190, is under 10 % (crushed cork not included).

NOTE Moisture content above this limit gives rise to adjustments in the mass of the bales.

6.4 Cork powder content

The amount of cork powder in granulated cork in all the groups indicated in [4.2](#) shall not exceed 0,5 %.

7 Sampling

See instructions given in ISO 2067.

8 Packing

Granulated cork and cork powder may be packed in bales, bags or boxes.

If packed in bales, the granulated cork and cork powder should be compressed, covered and reinforced with hooping and/or baling wire.

9 Marking

Besides any other required marks, bales, bags or boxes shall show the trading name or brand of the producer and/or exporter as well as the name of the exporting country.

Bibliography

- [1] ISO 565, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*
- [2] ISO 2030:2018, *Granulated cork — Size analysis by mechanical sieving*
- [3] ISO 2031, *Granulated cork — Determination of apparent bulk density*
- [4] ISO 2067, *Granulated cork — Sampling*

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