INTERNATIONAL STANDARD 1997

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Granulated cork and cork powder — Specifications

First edition — 1972-03-15

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UDC 674.83

Ref. No. ISO 1997-1972 (E)

Descriptors : cork, granular materials, materials specifications, powder (particles).

Price based on 2 pages

FOREWORD

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Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 1997 was drawn up by Technical Committee ISO/TC 87, *Cork*.

It was approved in November 1970 by the Member Bodies of the following countries:

Bulgaria	Iran	Spain
Czechoslovakia	Italy	U.A.R.
France	Portugal	United Kingdom
Greece	South Africa, Rep. of	

No Member Body opposed the approval of the Draft.

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Printed in Switzerland

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0 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. These problems are at present under study and the characteristics of granulated cork as given in this International Standard apply therefore only to the product before compression.

Pending the results of that study, 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.

1 SCOPE AND FIELD OF APPLICATION

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

2 REFERENCES

ISO/R 565, *Woven wire cloth and perforated plates in test sieves — Nominal sizes of apertures.*

ISO/R 2030, *Granulated cork — Granule size test.*

ISO 2031, *Granulated cork — Bulk density test.*

ISO/R 2067, *Granulated cork — Sampling.*

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

3 DEFINITIONS

3.1 granulated cork : Fragments of various dimensions obtained by grinding and/or milling raw cork, manufactured cork, or simple cut pieces.

3.2 cork powder : Cork particles of a grain size equal to or less than 0.25 mm.

4 CLASSIFICATION

Granulated cork is classified in forty categories according to the size of the granules and their bulk density.

4.1 Classification by grain size

Granulated cork is divided into eight *classes* by grain size, as shown in Table 1.

TABLE 1 — **Classification by grain size**

Class No.	100 % of the grains pass a sieve of aperture		From 40 to 60 % of the grains retained on a sieve of aperture		10 % max. of the grains pass a sieve of aperture	
	mm	µm	mm	µm	mm	µm
1	45	–	31.5	–	22.4	–
2	22.4	–	16.0	–	11.2	–
3	11.2	–	8.0	–	5.6	–
4	5.6	–	4.0	–	2.8	–
5	2.8	–	2.0	–	1.4	–
6	1.4	–	1.0	–	–	710
7	–	710	–	500	–	355
8	–	355	–	–	–	250
(powder)	–	250	–	–	–	–

The sizes of the sieve apertures conform to the specifications given in ISO/R 565.

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