
INTERNATIONAL STANDARD



3813

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

Cork — Floor tiles of agglomerated cork — Characteristics, sampling and packing

Liège — Dalles d'aggloméré pour revêtement des sols — Caractéristiques, échantillonnage et emballage

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[ISO 3813:1977](https://standards.iteh.ai/catalog/standards/sist/f12bf481-6efd-40db-9924-f3421d79880d/iso-3813-1977)

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Descriptors : cork, floor coverings, coating slabs, specifications, dimensions, density (mass/volume), sampling, packages.

Price based on 2 pages

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

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 3813 was developed by Technical Committee ISO/TC 87, *Cork*, and was circulated to the member bodies in April 1975.

It has been approved by the member bodies of the following countries :

France
Germany
Hungary
Italy

Portugal
Romania
South Africa, Rep. of
Spain

Turkey 1977
Yugoslavia

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The member bodies of the following countries expressed disapproval of the document on technical grounds :

Bulgaria
United Kingdom

Cork — Floor tiles of agglomerated cork — Characteristics, sampling and packing

1 SCOPE

This International Standard specifies characteristics of floor tiles of agglomerated cork.

2 FIELD OF APPLICATION

This International Standard applies to floor tiles, not having a surface coating, made from unexpanded, pure or composition agglomerated cork.

The maximum permissible deviations in the size of tiles, measured in accordance with ISO 3810, are as follows :

Length : $\pm 0,25 \%$

Width : $\pm 0,25 \%$

Thickness $\left\{ \begin{array}{l} + 0,25 \text{ mm, in the case of tiles sanded} \\ 0 \\ \text{before despatch, ready to be laid.} \\ + 0,50 \text{ mm, when the sanding operation is} \\ 0 \\ \text{to take place after laying.} \end{array} \right.$

3 REFERENCES

ISO/R 633, *Cork — Glossary*.

ISO 3810, *Cork — Floor tiles — Methods of test*.¹⁾ ISO 3813:1977

<https://standards.itech.ai/catalog/standards/sis/f12b481-6efd-40db-9914-f3421d79880d/iso-3813-1977>

4.3 Apparent density

The apparent density, determined in accordance with ISO 3810, shall conform to the values shown in table 1.

TABLE 1

Type	Apparent density kg/m ³
I	$\rho \geq 500$
II	$400 \leq \rho < 500$

4 CHARACTERISTICS

4.1 Finish

The tiles shall be flat and their wear surfaces smooth. Edges shall be flawless and sharp, and unless otherwise agreed the sides of the tiles shall be cut square.

4.2 Dimensions

Unless otherwise agreed, the sizes shall be chosen from the following alternatives :

Length, mm : 230 300
Width, mm : 100²⁾ 230 300
Thickness, mm : 3²⁾ 5 6²⁾ 7,5

4.4 Initial and residual indentation

Initial and residual indentation as determined in accordance with ISO 3810 shall conform, for each type of apparent density, to the value shown in table 2.

TABLE 2

Type	Indentation, %	
	Initial	Residual
I	< 20	< 2,2
II	< 25	< 2,8

1) At present at the stage of draft.

2) These sizes are exceptional.

4.5 Tensile strength

Each test piece shall have a tensile strength of not less than 8 daN/cm², when tested in accordance with ISO 3810.

4.6 Ash content

Ash content, when determined in accordance with ISO 3810, shall not be greater than 1,5 %.

4.7 Behaviour in fuming hydrochloric acid at 100 °C (ρ_{20} 1,19 g/ml)

Test pieces tested in accordance with ISO 3810 shall not show any disintegration.¹⁾

5 SAMPLING

Take 0,2 % of the tiles from each consignment of similar tiles, with a minimum of six tiles per consignment.

6 PACKING

The tiles shall be despatched packed in strong cartons (having, in particular, reinforced corners) adequately constructed to avoid damage during transportation.

The material from which the cartons are made shall have a high degree of resistance to water vapour transmission.

The tiles in each carton shall have the same dimensions.

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1) A specimen is said to disintegrate if it splits and/or if it shows substantial loss of particles during the test.