

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3813 was prepared by Technical Committee ISO/TC 87, *Cork*.

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This second edition cancels and replaces the first edition (ISO 3813 : 1977), clauses 4 and 5 of which have been technically revised.

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Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Floor tiles of agglomerated cork — Characteristics, sampling and packing

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1 Scope and field of application

This International Standard specifies characteristics of floor tiles of agglomerated cork, without surface covering.

3.2 Squareness of tiles and straightness of edges

For tiles of 300 mm × 300 mm, measured in accordance with ISO 3810,

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the deviation of straightness of the edges shall not exceed 0,5 mm;

— the deviation of squareness shall not exceed 0,1° (0,5 mm).

2 Reference

ISO 3810, *Floor tiles of agglomerated cork — Methods of test.*

3 Characteristics

3.1 Dimensions

Unless otherwise agreed between the buyer and the seller, the sizes shall be chosen from the following alternatives:

- Length, mm: 300
- Width, mm: 300
- Thickness, mm: 3 4 5 6 7 8

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

- Length: ± 0,17 %
- Width: ± 0,17 %
- Thickness:
 - +0,25 mm in the case of tiles sanded before despatch, ready to be laid
 - +0,50 mm when the sanding operation is to take place after laying

3.3 Apparent density

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

Table 1 — Apparent density

Type	Apparent density kg/m ³
I	$\rho > 500$
II	$450 \leq \rho < 500$
III	$400 \leq \rho < 450$

3.4 Initial and residual indentation

Initial and residual indentation, as determined in accordance with ISO 3810, shall be lower than 10 % and 2 %, respectively.

3.5 Tensile strength

Each test piece shall have a tensile strength of not less than 0,8 MPa, when tested in accordance with ISO 3810.

3.6 Resistance to boiling hydrochloric acid

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

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

4 Sampling

Unless otherwise agreed, take at random from each lot the number of tiles for test specified in table 2.

Table 2 — Sample size

Lot size (<i>n</i>)	Sample size	Acceptance number (number of defectives)
$n \leq 5\,000$	9	1
$5\,000 < n \leq 25\,000$	27	3
$n > 25\,000$	45	5

5 Acceptance number

The lot shall be considered as satisfactory if it shows a number of defective tiles in the sample not higher than the values specified in table 2.

If this number is exceeded, take at random a second sample in accordance with table 3, repeating the tests for the specifications which were not met.

The lot shall be considered as satisfactory if all the tiles in the new sample meet the respective specifications given in this International Standard.

Table 3 — Second sample size

Lot size (<i>n</i>)	Second sample size
$n \leq 5\,000$	6
$5\,000 < n \leq 25\,000$	8
$n > 25\,000$	10

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.

7 Marking

Unless otherwise agreed, packages shall be marked with the following indications:

- a) identification of the product;
- b) name or designation of the manufacturer;
- c) country of origin.

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