



SLOVENSKI STANDARD

SIST EN 12104:2000

01-november-2000

Netekstilne talne obloge - Talne obloge iz plute - Specifikacija

Resilient floor coverings - Cork floor tiles - Specification

Elastische Bodenbeläge - Preßkorkplatten - Spezifikation

Revetements de sol résilients - Dalles en aggloméré de liège - Spécification

Ta slovenski standard je istoveten z: **EN 12104:2000**

[SIST EN 12104:2000](https://standards.iteh.ai/catalog/standards/sist/a7c62e23-df65-451f-b370-788fa8fa8210/sist-en-12104-2000)

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ICS:

79.100	Pluta in izdelki iz plute	Cork and cork products
97.150	Netekstilne talne obloge	Non-textile floor coverings

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12104

May 2000

ICS 79.100; 97.150

English version

Resilient floor coverings - Cork floor tiles - Specification

Revêtements de sol résilients - Dalles en aggloméré de liège - Spécification

Elastische Bodenbeläge - Preßkorkplatten - Spezifikation

This European Standard was approved by CEN on 25 February 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 134 "Resilient and textile floor coverings", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association. This European Standard is considered to be a supporting standard to those application and product standards which in themselves support an essential safety requirement of a New Approach Directive and which make reference to this European Standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This European Standard includes three informative annexes:

Annex A: Optional properties

Annex B: Supplementary information

Annex C: Bibliography

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1 Scope

This European Standard specifies the requirements for cork floor coverings made from agglomerated composition cork supplied in tile form which are designed to be used with a factory finish and/or an insitu finish.

Cork floor coverings can be covered with other complementary layers of decorative materials, e.g. decorative cork or wood veneers, with or without applied colours.

This European Standard includes a classification system based on intensity of use which shows where cork floor tiles should give satisfactory service (see EN 685). It also specifies requirements for marking, labelling and packing.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references subsequent amendments to, or revisions of, any of this publication apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 424, *Resilient floor coverings - Determination of the effect of the simulated movement of a furniture leg*

EN 425, *Resilient floor coverings - Determination of the effect of a castor chair*

EN 427, *Resilient floor coverings - Determination of the side length and the squareness and straightness of tiles*

EN 428, *Resilient floor coverings - Determination of the overall thickness*

EN 430, *Resilient floor coverings - Determination of mass per unit area*

EN 433, *Resilient floor coverings - Determination of residual indentation after static load*

EN 434, *Resilient floor coverings - Determination of dimensional stability and curling after exposure to heat*

EN 672, *Resilient floor coverings - Determination of apparent density of agglomerated cork*

EN 685, *Resilient floor coverings - Classification*

EN 12105, *Resilient floor coverings - Determination of moisture content of agglomerated cork*

EN 12466, *Resilient floor coverings - Vocabulary*

3 Definitions

For the purposes of this European Standard the following definition and those given in EN 12466 apply:

- 3.1**
agglomerated composition cork
product obtained from the agglutination of cork granules with the addition of a binder
- 3.2**
cork floor covering
floor covering the main component of which is agglomerated composition cork, intended to be used with a finish [EN 12466]

4 Requirements

4.1 General requirements

Cork floor coverings described in this standard shall conform to the appropriate general requirements specified in table 1, when tested in accordance with methods given therein.

4.2 Classification Requirements

Cork floor coverings described in this standard shall be classified as suitable for different levels of intensity of use in accordance with the performance requirements specified in table 2, when tested in accordance with the test methods stated therein.

Classification shall conform to the system specified in EN 685.

5 Marking, labelling and packing

Cork floor coverings that conform to the requirements of this standard shall be clearly and indelibly marked by the manufacturer either in their package or on an adhesive label with the following information:

- a) number and the year of this standard, i.e. EN 12104:1999;
- b) manufacturer's and/or or supplier's identification;
- c) product name including the finishing and batch number (possibly in code form);
- d) year of manufacture (last two digits);
- e) class/symbol of level of use;
- f) nominal dimensions and the area in square metres contained in a package;
- g) the warning that packages shall be stored shielded from direct sunlight and humidity.

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Table 1: General requirements

Property	Requirements	Test method
Side length mm	deviation from nominal: $\leq 0,2\%$ up to 1,0 mm maximum	EN 427
Squareness and Straightness of edges mm for side length ≤ 400 mm > 400 mm	deviation allowed $\leq 0,5$ $\leq 1,0$	
Overall thickness mm	nominal value: 0 $+0,25$ nominal value: 0 $+0,50$	EN 428
Apparent density kg/m^3 average individual results	\geq nominal value $\geq 95\%$ nominal value	EN 672
Mass per unit area g/m^2 average	nominal value $\pm 10\%$	EN 430
Dimensional stability %	$\leq 0,4$	EN 434
Curling mm	≤ 6	EN 434
Moisture content %	Shall be stated by the manufacturer	EN 12105
¹ Finishing coat(s) should be varnish, wax or others		

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Table 2: Classification requirements

Class	Symbol	Level of use	Overall thickness (mm)	Apparent density (kg/m ³)	Residual indentation (mm)	Castor chair	Simulated movement of a furniture leg
21		domestic moderate	≥ 3,2	≥ 400	≤ 0,4	No requirement	No requirement
22		domestic general	≥ 4,0	≥ 450 with or without veneer	≤ 0,4		
23		domestic heavy	≥ 4,0	≥ 450 with or without veneer	≤ 0,4		
31		commercial moderate	≥ 4,0	≥ 450 with or without veneer	≤ 0,4	No disturbance to the surface other than slight change in appearance and no delamination shall occur	No damage shall be visible after testing with type 2 foot
32		commercial general	≥ 4,0	≥ 500 with or without veneer	≤ 0,3		
41		industrial moderate	≥ 4,0	≥ 500 with or without veneer	≤ 0,3		
Relevant standard		EN 685	EN 428	EN 672	EN 433	EN 425	EN 424