



SLOVENSKI STANDARD
oSIST prEN 12104:2017
01-julij-2017

Netekstilne talne obloge - Talne obloge iz plute - Specifikacija

Resilient floor coverings - Cork floor tiles - Specification

Elastische Bodenbeläge - Presskorkplatten - Spezifikationen

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

Ta slovenski standard je istoveten z: prEN 12104

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ICS:

79.100	Pluta in izdelki iz plute	Cork and cork products
97.150	Talne obloge	Floor coverings

oSIST prEN 12104:2017

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 12104

June 2017

ICS 79.100; 97.150

Will supersede EN 12104:2000

English Version

Resilient floor coverings - Cork floor tiles - Specification

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

Elastische Bodenbeläge - Presskorkplatten - Spezifikationen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 134.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (prEN 12104:2017) has been prepared by Technical Committee CEN/TC 134 “Floor coverings”, the secretariat of which is held by NBN.

This document will supersede EN 12104:2000.

This document is currently submitted to the CEN Enquiry.

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prEN 12104:2017 (E)

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 *in situ* 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 ISO 10874). It also specifies requirements for marking, labelling and packing.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

EN 425, *Resilient and laminate floor coverings — Castor chair test*

EN 12466, *Resilient floor coverings — Vocabulary*

EN 13329:2016, *Laminate floor coverings — Elements with a surface layer based on aminoplastic thermosetting resins — Specifications, requirements and test methods*

EN 14354:2017, *Wood-based panels — Wood veneer floor covering*

EN ISO 10874, *Resilient, textile and laminate floor coverings — Classification (ISO 10874)*

EN ISO 23997, *Resilient floor coverings — Determination of mass per unit area (ISO 23997)*

EN ISO 23999, *Resilient floor coverings — Determination of dimensional stability and curling after exposure to heat (ISO 23999)*

EN ISO 24342, *Resilient and textile floor-coverings — Determination of side length, edge, straightness and squareness of tiles (ISO 24342)*

EN ISO 24343-1, *Resilient and laminate floor coverings — Determination of indentation and residual indentation — Part 1: Residual indentation (ISO 24343-1)*

EN ISO 24346, *Resilient floor coverings — Determination of overall thickness (ISO 24346)*

3 Terms and definitions

For the purposes of this document, the terms and definition given in EN 12466 and the following 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.

Table 1 — General requirements






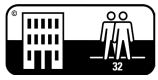
Property	Requirements	Test method
Side length mm Squareness and Straightness of edges mm for side length ≤ 400 mm > 400 mm	deviation from nominal: ≤ 0,2 % up to 1,0 mm maximum deviation allowed ≤ 0,5 ≤ 1,0	EN ISO 24342
Overall thickness mm individual results sanded or finished ^a tiles	nominal value: -0,10 + 0,15	EN ISO 24346
Apparent density kg/m³ average individual results	SIST EN 12104:2019 ≥ nominal value ≥ 95 % nominal value	EN ISO 23997
Dimensional stability %	≤ 0,25	EN ISO 23999
Curling mm	≤ 2	EN ISO 23999
^a Finishing coat(s) should be varnish, wax or others. Reference test method for wear resistance test needs to be declared by the manufacturers or suppliers.		

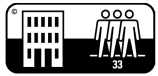


4.2 Classification requirements

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 ISO 10874.

Table 2 — Classification requirements

Class	Symbol	Level of use	Overall thickness (mm)	Apparent density (kg/m ³)	Residual indentation (mm)	Effect of a castor chair ^a	Simulated movement of a furniture leg ^a	Wear resistance ^a	
21		Domestic Moderate/Light	≥ 3,2	≥ 400	≤ 0,4	No disturbance to the surface other than slight change in appearance and no delamination shall occur after 10 000 cycles	No requirement	No requirement	No requirement
22		Domestic General/Medium	≥ 4,0	≥ 450 with or without veneer	≤ 0,4			500	200
22+		Domestic General	≥ 4,0	≥ 450 with or without veneer	≤ 0,4				
23		Domestic Heavy	≥ 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 after 25 000 cycles		1 000	400
31		Commercial Moderate	≥ 4,0	≥ 450 with or without veneer	≤ 0,3			2 500	1 000
32		Commercial General	≥ 4,0	≥ 500 with or without veneer	≤ 0,3			5 000	2 000

Class	Symbol	Level of use	Overall thickness (mm)	Apparent density (kg/m ³)	Residual indentation (mm)	Effect of a castor chair ^a	Simulated movement of a furniture leg ^a	Wear resistance ^a	
33		Commercial Heavy	≥ 4,0	≥ 500 with or without veneer	≤ 0,2			7 000	5 000
34		Commercial Very Heavy	≥ 4,0	≥ 500 with or without veneer	≤ 0,2			10 000	7 000
41		Industrial Moderate	≥ 4,0	≥ 500 with or without veneer	≤ 0,2			7 000	5 000
Relevant standard		EN ISO 10874	EN ISO 24346	EN ISO 2399 7	EN ISO 2434 3-1	EN 425	EN 424	EN 14354:20 17, Annex D	EN 13329:20 16, Annex E
^a Finishing coat(s) should be varnish, wax or others. Reference test method for wear resistance test, needs to be declared by the manufacturers or suppliers.									

prEN 12104:2017 (E)**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 European standard, i.e. EN 12104:2017;
- 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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