



SLOVENSKI STANDARD

SIST EN 12455:2000

01-julij-2000

Netekstilne talne obloge - Specifikacija za podlogo iz plute

Resilient floor coverings - Specification for corkment underlay

Elastische Bodenbeläge - Spezifikation für Korkmentunterlagen

Revetements de sol résilients - Spécification pour les sous-couches de composition de liege

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Ta slovenski standard je istoveten z: **EN 12455:1999**

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ICS:

97.150 Netekstilne talne obloge Non-textile floor coverings

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en

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EUROPEAN STANDARD

EN 12455

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1999

ICS 97.150

English version

Resilient floor coverings - Specification for corkment underlay

Revêtements de sol résilients - Spécifications pour les
sous-couches de composition de liège

Elastische Bodenbeläge - Spezifikation für
Korkmentunterlagen

This European Standard was approved by CEN on 13 August 1999.

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 March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

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.

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1 Scope

This European Standard specifies the requirements of corkment underlay with linoleum cement as binder, supplied in sheet form. Corkment underlay is used in combination with floor coverings to improve impact sound reduction. The performance therefore depends on the combination of corkment and the type of floor covering used and also the installation of both. To ensure correct use of corkment underlay the instructions of the manufacturer should be followed.

NOTE: For specification of cork underlays made with other binders, see EN 12103.

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 these publications 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 426, *Resilient floor coverings - Determination of width, length, straightness and flatness of sheet material*

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

EN 429, *Resilient floor coverings - Determination of the thickness of layers*

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

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

EN 435, *Resilient floor coverings - Determination of flexibility*

EN 670, *Resilient floor coverings - Identification of linoleum and determination of cement content and ash residue*

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

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1

corkment

backing or underlay product produced by calendaring a homogeneous mixture of linoleum cement, granulated cork, pigments and inorganic fillers, on a fibrous backing. The product is then converted into its final form by an oxidative curing process.

NOTE: The only chemical cross-linking bondings in corkment will be those which are formed during the oxidation process.

3.2

linoleum cement

binder in corkment, consisting of a mixture of linseed oil and/or other vegetable drying oils, rosin and drying oil catalysts, which is converted to a semi-elastic mass by an oxidative curing process.

4 Identification

Corkment shall be identified by its ability to be disintegrated in 0,5 mol/l potassium hydroxide/methanol solution.

The maximum amount of inorganic filler (ash residue) shall be 10% when tested in accordance with EN 670.

5 Requirements

Corkment underlay shall conform to the appropriate requirements specified in table 1 when tested in accordance with the methods given therein.

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Table 1 : Requirements

Property	Requirement	Test method
Length and width of roll	Not less than the nominal values	EN 426
Overall thickness Average Individual values	mm Nominal value +0,30/-0,20 Nominal value +0,35/-0,25	EN 428
Thickness of backing Average	mm $\leq 0,80$	EN 429
Mass per unit area Average	g/m ² Nominal value +15/-10 %	EN 430
Mass per unit volume	kg/m ³ ≤ 750	EN 672
Initial indentation after 15 s static loading Average Nominal thickness $\leq 2,5$ mm $\leq 4,0$ mm $> 4,0$ mm	mm $\leq 1,5$ $\leq 2,0$ $\leq 3,0$	EN 433
Residual indentation after static loading Average Nominal thickness $\leq 2,5$ mm $\leq 4,0$ mm $> 4,0$ mm	mm $\leq 0,3$ $\leq 0,4$ $\leq 0,7$	EN 433
Flexibility Thickness (nominal) $\leq 2,5$ mm $\leq 4,0$ mm $> 4,0$ mm	Mandrel diameter 30 mm 40 mm 50 mm Shall show no signs of cracking when bent around the appropriate mandrel	EN 435, method A

6 Marking

Corkment underlay and/or its packaging shall bear the following marking:

- a) number and date of this European Standard, i.e. EN 12455:1999;
- b) manufacturer's or supplier's identification or trade mark;
- c) product name;
- d) colour or pattern, and batch/roll number if applicable;
- e) length, width and thickness.

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