SLOVENSKI STANDARD
kSIST FprEN 655:2010

01-november-2010

Netekstilne talne obloge - Plošče iz stiskanega plutinega hrbtišča s polivinilkloridno uporabno vrhnjo plastjo - Specifikacija

Resilient floor coverings - Tiles of agglomerated composition cork with polyvinyl chloride wear layer - Specification

Elastische Bodenbeläge - Platten auf einem Rücken aus Presskork mit einer Polyvinylchlorid-Nutzschicht - Spezifikation

Revêtements de sol résilients - Dalles d'agglomeré de liège avec couche d'usure à base de polychlorure de vinyle - Spécifications

Ta slovenski standard je istoveten z: **FprEN 655**

ICS:

97.150	Netekstilne talne obloge	Non-textile floor coverings

kSIST FprEN 655:2010 **en,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

FINAL DRAFT
FprEN 655

September 2010

ICS 97.150

Will supersede EN 655:1996

English Version

Resilient floor coverings - Tiles of agglomerated composition cork with polyvinyl chloride wear layer - Specification

Revêtements de sol résilients - Dalles d'aggloméré de liège avec couche d'usure à base de polychlorure de vinyle - Spécifications

Elastische Bodenbeläge - Platten auf einem Rücken aus Presskork mit einer Polyvinylchlorid-Nutzschicht - Spezifikation

This draft European Standard is submitted to CEN members for unique acceptance procedure. 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.

This draft European Standard was established by CEN 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword

This document (FprEN 655:2010) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, the secretariat of which is held by BSI.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 655:1996.

1 Scope

This European Standard specifies the characteristics of agglomerated cork with a wear layer based on polyvinyl chloride and modifications thereof.

To encourage the consumer to make an informed choice, the standard includes a classification system (see EN 685) based on intensity of use, which shows where these floor coverings should give satisfactory service. It also specifies requirements for marking.

2 Normative references

The following referenced documents are indispensable for the application of this document. 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 the simulated movement of a furniture leg*

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

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

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 431, *Resilient floor coverings — Determination of peel resistance*

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

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

EN 436, *Resilient floor coverings — Determination of density*

EN 660-2, *Resilient floor coverings — Determination of wear resistance — Part 2: Frick-Taber test*

EN 684, *Resilient floor coverings — Determination of seam strength*

EN 685, *Resilient, textile and laminate floor coverings — Classification*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
polyvinylchloride floor covering
floor covering with surface layers which are produced using polyvinyl chloride (and modifications thereof) as binder

3.2
agglomerated composition cork with polyvinyl chloride wear layer
floor coverings whose main component is agglomerated cork and whose wear layer is a homogeneous polyvinyl chloride layer

NOTE Decorative materials, e.g. decorative cork or wood veneers, can be incorporated under the wear layer.

4 Requirements

4.1 General requirements

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

4.2 Classification requirements

4.2.1 Wear group classification

Polyvinyl chloride floor coverings shall be classified in the appropriate wear group specified in Table 2, when tested in accordance with EN 660-2.

Floor coverings described in this standard have a transparent wear layer, are *a priori* group T and need not be tested.

4.2.2 Level of use classification

Floor coverings described in this standard shall be classified as suitable for different levels of use in accordance with the performance requirements specified in Table 3, when tested with the methods given therein. Classification shall conform to the scheme specified in EN 685.

Table 1 — General requirements

Characteristic	Requirement	Test method
Side length of tiles mm squareness and straightness for side length: mm ≤ 400 mm > 400 mm	Deviation ≤ 0,13% of nominal length up to 0,5 mm maximum Deviation allowed at any point ≤ 0,25 ≤ 0,35	EN 427
Overall thickness: mm average individual results	 Nominal value + 0,18 - 0,15 Average value ± 0,20	EN 428
Thickness of agglomerated composition cork base mm	Nominal thickness shall be stated	EN 429
Thickness of polyvinylchloride backing (average) mm	Nominal value ± 10%	
Total mass per unit area g/m² (average)	Nominal value + 13% - 10%	EN 430
Density of wear layer (average) kg/m³	Nominal value ± 50	EN 436
Dimensional stability after exposure to heat[1] %	≤ 0,40 after reconditioning for 7 days after test	EN 434
Curling on exposure to heat mm	≤ 6 after reconditioning for 7 days after test	
Peel resistance[2] N/50mm average individual values	 ≥ 35 ≥ 25	EN 431
[1] This test is not applicable when the decorative layer is wood veneer [2] The separation shall lie within the agglomerated cork line		

Table 2 — Classification requirements for wear groups

Characteristic	Requirements for wear group				Test method
	T	P	M	F	
volume loss *Fv* mm³	*Fv* ≤ 2,0[1]	2,0 < *Fv* ≤ 4,0	4,0 < *Fv* ≤ 7,5	7,5 < *Fv* ≤ 15,0	EN 660-2
[1] If tested for verification					