
Laminatne talne obloge - Elementi z direktnim nanosom potiska in sloja iz umetne smole - Specifikacije, zahteve in preskusne metode

Laminate floor coverings - Elements with directly applied printing and resin surface layer
- Specifications, requirements and test methods

Laminatböden - Direktbedruckte Elemente mit Kunstharz-Deckschicht - Spezifikationen,
Anforderungen und Prüfverfahren

Revêtements de sol stratifiés - Éléments comportant une couche d'impression appliquée
directement et une couche de surface à base de résine - Spécifications, exigences et
méthodes d'essai

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Ta slovenski standard je istoveten z: EN 15468:2016/prA1

ICS:

97.150 Talne obloge Floor coverings

SIST EN 15468:2016/oprA1:2020 en

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EUROPEAN STANDARD
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ICS 97.150

English Version

Laminate floor coverings - Elements with directly applied printing and resin surface layer - Specifications, requirements and test methods

Revêtements de sol stratifiés - Éléments comportant une couche d'impression appliquée directement et une couche de surface à base de résine - Spécifications, exigences et méthodes d'essai

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

This draft amendment A1, if approved, will modify the European Standard EN 15468:2016. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment 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-CENELEC Management Centre has the same status as the official versions.

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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
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 15468:2016/prA1:2020) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor covering”, the secretariat of which is held by NBN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 15468:2016.

In comparison with EN 15468:2016 (original edition), the new consolidated version EN 15468:2016+A1:2020 (new version of EN 15468:2016), will contain the following technical modifications:

- Scope: replacement of the last paragraph;
- term 3.3 substrate: replacement of the definition;
- Table 1: change the requirements and test method for impact resistance: small ball and addition of footnote to table c as clarification for testing; replacement of Table 1.

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EN 15468:2016/prA1:2020 (E)**1 Modification to Clause 1, Scope**

Replace the last paragraph of the scope

“Laminate floor coverings are considered for domestic and commercial levels of use, e.g. in domestic kitchens. This standard does not specify requirements relating to areas that are subject to frequent wetting, such as bathrooms, laundry rooms or saunas.”

with

“Laminate floor coverings are generally designed for floating installations and are considered for domestic and commercial levels of use, including domestic kitchens. This document does not specify requirements relating to the use in areas which are subjected to frequent wetting, such as bathrooms, laundry rooms or saunas. In general laminate floor coverings can only be used in those areas when authorized by the manufacturer and under conditions described in the manufacturer's installation guidelines.”.

2 Modification to term 3.3, substrate

Replace the definition

“core material of the laminate floor covering”

with

“core material of the laminate floor covering made of wood, as defined in EN 13756, for at least 65 % in mass”.

3 Modification to 4.2, Classification requirements, Table 1

Replace Table 1 “

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Table 1 — Classification requirements and levels of use for floor coverings using PDL

Class:	Levels of use						Test method	
	Domestic			Commercial				
	Moderate	General	Heavy	Moderate	General	Heavy		
	21	22	23	31	32	33		
Abrasion resistance	AC1	AC2	AC3	AC4	AC5		EN 13329:2016, Annex E	
Alternative: Abrasion resistance	AC1	AC2	AC3	AC 4	AC 5		Annex A	
Impact resistance								
Small ball	$\geq 8 N$			$\geq 12 N$	$\geq 15 N$		EN 13329:2016, Annex H	
Big ball	$\geq 500 \text{ mm}$			$\geq 750 \text{ mm}$	$\geq 1\,000 \text{ mm}$			
Resistance to staining	4, (groups 1 and 2) 3, (group 3)	5, (groups 1 and 2) 4, (group 3)						EN 438-2
Effect of a furniture leg	—	No damage shall be visible, when tested with foot type 0						EN 424
Effect of a castor chair	—	25 000 cycles, No damage ^a						EN 425:2002 b
Thickness swelling	$\leq 20 \%$	$\leq 18 \%$			$\leq 15 \%$			ISO 24336
Locking Strength	-				$f_{0,2} \geq 1 \text{ kN/m}$ (length) $f_{s0,2} \geq 2 \text{ kN/m}$ (width)			ISO 24334
Surface soundness	$\geq 1,0 \text{ N/mm}^2$			$\geq 1,25 \text{ N/mm}^2$				EN 13329:2016, Annex D
^a No visible damage on the surface of the assembled test area caused by detachment of layers, opening of joints, or crazing. Ignore any flattening or change in appearance, e.g. change in gloss. ^b Using soft castor wheels W PU (95 ± 5) Shore A.								

“

with “

EN 15468:2016/prA1:2020 (E)

Table 1 — Classification requirements and levels of use for floor coverings using PDL

Class:	Levels of use						Test method
	Domestic			Commercial			
	Moderate	General	Heavy	Moderate	General	Heavy	
	21	22	23	31	32	33	
Abrasion resistance	AC1	AC2	AC3		AC4	AC5	EN 13329:2016+ A2:2020, Annex E
Alternative: Abrasion resistance	AC1	AC2	AC3		AC4	AC5	Annex A
Impact resistance							
Small ball	≥ 10 mm				≥ 35 mm	≥ 70 mm	EN 17368 ^c
Big ball	≥ 500 mm				≥ 750 mm	≥ 1 000 mm	EN 13329:2016+ A2:2020, Annex H
Resistance to staining	4, (groups 1 and 2) 3, (group 3)	5, (groups 1 and 2) 4, (group 3)					EN 438-2
Effect of a furniture leg	— (No damage shall be visible, when tested with foot type 0)						EN 424
Effect of a castor chair	— (25 000 cycles; No damage ^a)						EN 425:2002 ^b
Thickness swelling	≤ 20 %		≤ 18 %			≤ 15 %	ISO 24336
Locking Strength	-				f _{l0,2} ≥ 1 kN/m (length) f _{s0,2} ≥ 2 kN/m (width)		ISO 24334
Surface soundness	≥ 1,0 N/mm ²				≥ 1,25 N/mm ²		EN 13329:2016+ A2:2020, Annex D
^a No visible damage on the surface of the assembled test area caused by detachment of layers, opening of joints, or crazing. Ignore any flattening or change in appearance, e.g. change in gloss. ^b Using soft castor wheels W PU (95 ± 5) Shore A. ^c The small ball diameter test shall be carried out without underlay. The pre-attached underlay shall be removed.							

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