



SLOVENSKI STANDARD
SIST EN 14978:2016/oprA1:2020
01-julij-2020

Laminatne talne obloge - Elementi z vrhjo plastjo iz akrila, polimeriziranega z elektronskim žarkom - Specifikacije, zahteve in preskusne metode

Laminate floor coverings - Elements with acrylic based surface layer, electron beam cured - Specifications, requirements and test methods

Laminatböden - Elemente mit einer elektronenstrahlgehärteten Deckschicht auf Acryl-Basis - Spezifikationen, Anforderungen und Prüfverfahren

Revêtements de sol stratifiés - Éléments à parement à base acrylique traités par des faisceaux d'électrons - Spécifications, exigences et méthodes d'essai

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Ta slovenski standard je istoveten z: EN 14978:2016/prA1

ICS:

97.150 Talne obloge Floor coverings

SIST EN 14978:2016/oprA1:2020 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 14978:2016
prA1

July 2020

ICS 97.150

English Version

Laminate floor coverings - Elements with acrylic based surface layer, electron beam cured - Specifications, requirements and test methods

Revêtements de sol stratifiés - Éléments à parement à base acrylique traités par des faisceaux d'électrons - 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 14978:2016. 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
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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European foreword

This document (EN 14978:2016/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 14978:2016.

In comparison with EN 14978:2016 (original version), the new consolidated version EN 14978:2016+A1:2020 (new version of EN 14978:2016), 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 14978:2016/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. for use in domestic kitchens. This standard does not specify requirements related 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”.

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3 Modification to 5.3, Floor coverings with a high gloss level, Table 1

Replace Table 1 “

Table 1 — Classification requirements and levels of use for floor coverings with a high gloss level

	Level of use						Test method
	Domestic			Commercial			
	Moderate	General	Heavy	Moderate	General	Heavy	
Class	21	22	23	31	32	33	
Abrasion resistance	≥ 1 000 revolutions		≥ 2 000 revolutions		≥ 4 000 rev.	≥ 6 000 rev.	EN 15468:2016, Annex A
Impact resistance							EN 13329:2016, Annex H
Small ball	≥ 8 N			≥ 12 N		≥ 15 N	
Big ball	≥ 500 mm			≥ 750 mm		≥ 1000 mm	
Resistance to staining	4, (groups 1 and 2)	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 00						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 _{0,2} ≥ 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, 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” dropping “except for class 34 wheels H PA (95 ± 5) Shore A.							

“

with “

EN 14978:2016/prA1:2020 (E)

Table 1 — Classification requirements and levels of use for floor coverings with a high gloss level

	Level of use						Test method	
	Domestic			Commercial				
	Moderate	General	Heavy	Moderate	General	Heavy		
Class	21	22	23	31	32	33		
Abrasion resistance	≥ 1 000 revolutions		≥ 2 000 revolutions		≥ 4 000 rev.	≥ 6 000 rev.	EN 15468:2016+A1:2020, 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 _{0,2} ≥ 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" dropping "except for class 34 wheels H PA (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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