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NSAI Standards

Irish Standard
I.S. EN 14978:2016

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

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National Foreword

I.S. EN 14978:2016 is the adopted Irish version of the European Document EN 14978:2016, Laminate floor coverings - Elements with acrylic based surface layer, electron beam cured - Specifications, requirements and test methods

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14978

March 2016

ICS 97.150

Supersedes EN 14978:2006

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

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

This European Standard was approved by CEN on 27 November 2015.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN 14978:2016) has been prepared by Technical Committee CEN/TC 134 "Resilient, textile and laminate floor coverings", the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14978:2006.

Compared to EN 14978:2006 the following changes have been made:

a) general definition for laminate floor coverings included;

b) defined underlay for impact resistance test with the large diameter ball added;

c) requirements for castor chair test changed;

d) requirements for level of use 32 and 33 for floor coverings with a high gloss level added;

e) test method and requirements for abrasion resistance for floor coverings with a high gloss level changed;

f) requirements for cigarette resistance deleted;

g) technical characteristic micro-scratch resistance added.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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1 Scope

This European Standard specifies characteristics, requirements and test methods for laminate floor coverings with acrylic based surface layer, electron beam cured as defined in 3.1 and 3.2.

It includes a classification system based on EN ISO 10874, giving practical requirements for areas of use and levels of use, to indicate where laminate floor coverings will give satisfactory service and to encourage the consumer to make an informed choice. It also specifies requirements for marking and packaging.

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.

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 322, *Wood-based panels - Determination of moisture content*

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

EN 425:2002, *Resilient and laminate floor coverings - Castor chair test*

EN 438 (all parts), *High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins (Usually called Laminates)*

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

EN 15468:2016, *Laminate floor coverings — Elements with directly applied printing and resin surface layer — Specifications, requirements and test methods*

EN 16094, *Laminate floor coverings - Test method for the determination of micro-scratch resistance*

CEN/TS 16354, *Laminate floor coverings - Underlays - Specification, requirements and test methods*

EN ISO 2813, *Paints and varnishes - Determination of gloss value at 20°, 60° and 85° (ISO 2813)*

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

ISO 24334, *Laminate floor coverings -- Determination of locking strength for mechanically assembled panels*

ISO 24336, *Laminate floor coverings — Determination of thickness swelling after partial immersion in water*

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