Resilient, textile, laminate and modular mechanical locked floor coverings - Light reflectance value (LRV) of a flooring surface

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

See Eesti standard EVS-EN 17317:2020 sisaldab Euroopa standardi EN 17317:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 17317:2020 consists of the English text of the European standard EN 17317:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 26.02.2020.	Date of Availability of the European standard is 26.02.2020.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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English Version

Resilient, textile, laminate and modular mechanical locked floor coverings - Light reflectance value (LRV) of a flooring surface

Revêtements de sol résilients, textiles, stratifiés et modulaires à clipsage mécanique - Coefficient de réflexion lumineuse (LRV) d'une surface de sol

Elastische, textile, Laminat- und modulare mechanisch verriegelte Bodenbeläge - Lichtreflexionswert (LRV) einer Bodenoberfläche

This European Standard was approved by CEN on 18 November 2019.

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

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European foreword

This document (EN 17317:2020) 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of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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1 Scope

This document establishes a test and calculation method for resilient, textile, laminate and modular mechanical locked floor coverings.

This document is also intended to provide guidance for manufacturers, specifiers and consumers, to enable them to choose the appropriate performance of floor covering regarding the light reflectancy of the use surface.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp/ui

3.1
light reflectance value
LRV
proportion of visible light reflected by a surface, weighted for the sensitivity to light of the human eye

3.2
colour depth
L
proportion of colour in range from black (0) to white (100)

3.3
non-opacity
specimens that are detected by the observer as light-permeable

4 Symbols (and abbreviated terms)

LRV = Light reflectance value

L = Colour depth

Y_{10} = CIE Tristimulus value

ρ (rho) = alternative notation of the light reflectance value LRV

5 Principle

The amount of light reflected from the surface at a number of wavelengths evenly spaced across the visible spectrum is to be measured. These measurements shall include the spectral component of reflected light.

The specimen of the surface is prepared and presented to the aperture of the instrument and its LRV is measured.