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

## EESTI STANDARDI EESSÕNA

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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 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of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.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

$\rho$  (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.