



**NSAI**  
Standards

Irish Standard  
I.S. EN 1816:2020

# Resilient floor coverings - Specification for homogeneous and heterogeneous smooth rubber floor coverings with foam backing

**I.S. EN 1816:2020**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 1816:2020 is the adopted Irish version of the European Document EN 1816:2020, Resilient floor coverings - Specification for homogeneous and heterogeneous smooth rubber floor coverings with foam backing

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EUROPEAN STANDARD

EN 1816

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2020

ICS 97.150

Supersedes EN 1816:2010

English Version

## Resilient floor coverings - Specification for homogeneous and heterogeneous smooth rubber floor coverings with foam backing

Revêtements de sol résilients - Spécifications des revêtements de sol homogènes et hétérogènes en caoutchouc lisse avec envers en mousse

Elastische Bodenbeläge - Spezifikation für homogene und heterogene ebene Elastomer-Bodenbeläge mit Schaumstoffbeschichtung

This European Standard was approved by CEN on 14 March 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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 1816:2020) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate 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of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

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 1816:2010.

In comparison with the previous edition, the following technical modifications have been made:

— references to standards in Table 1, Table 2 and Annex A.

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

## EN 1816:2020 (E)

### 1 Scope

This document specifies the characteristics of homogeneous and heterogeneous smooth (including grained or embossed) rubber floor coverings with foam backing, supplied in roll or in tile form.

This document includes a classification system based on intensity of use, which shows where these resilient floor coverings will give satisfactory service (see EN ISO 10874). It also specifies requirements for marking.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 425, *Resilient and laminate floor coverings — Castor chair test*

EN 12466, *Resilient floor coverings — Vocabulary*

EN ISO 105-B02:2014, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO 105-B02:2014)*

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

EN ISO 23999, *Resilient floor coverings — Determination of dimensional stability and curling after exposure to heat (ISO 23999)*

EN ISO 24340, *Resilient floor coverings — Determination of thickness of layers (ISO 24340)*

EN ISO 24341, *Resilient and textile floor coverings — Determination of length, width and straightness of sheet (ISO 24341)*

EN ISO 24342, *Resilient and textile floor coverings — Determination of side length, edge straightness and squareness of tiles (ISO 24342)*

EN ISO 24343-1, *Resilient and laminate floor coverings — Determination of indentation and residual indentation — Part 1: Residual indentation (ISO 24343-1)*

EN ISO 24344:2012, *Resilient floor coverings — Determination of flexibility and deflection (ISO 24344:2008)*

EN ISO 24345, *Resilient floor coverings — Determination of peel resistance (ISO 24345)*

EN ISO 24346, *Resilient floor coverings — Determination of overall thickness (ISO 24346)*

ISO 48-4, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 4: Indentation hardness by durometer method (Shore hardness)*

ISO 4649:2017, *Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device*



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