

**ISO 10581:2019**



**EN ISO 10581:2020**

**NBN EN ISO 10581:2020**



---

**Resilient floor coverings - Homogeneous poly(vinyl chloride) floor covering - Specifications (ISO 10581:2019)**

---

Valid from 27-02-2020

Replaces NBN EN ISO 10581:2013

ICS: 97.150



EUROPEAN STANDARD

**EN ISO 10581**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2020

ICS 97.150

Supersedes EN ISO 10581:2013

English Version

## Resilient floor coverings - Homogeneous poly(vinyl chloride) floor covering - Specifications (ISO 10581:2019)

Revêtements de sol résilients - Revêtements de sol  
homogènes en poly(chlorure de vinyle) - Spécifications  
(ISO 10581:2019)

Elastische Bodenbeläge - Homogene Polyvinylchlorid-  
Bodenbeläge - Spezifikation (ISO 10581:2019)

This European Standard was approved by CEN on 30 November 2019.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

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

EN ISO 10581:2020 (E)

**Contents**

Page

**European foreword..... 3**

## European foreword

This document (EN ISO 10581:2020) has been prepared by Technical Committee ISO/TC 219 "Floor coverings" in collaboration with 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.

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 ISO 10581:2013.

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, 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.

## Endorsement notice

The text of ISO 10581:2019 has been approved by CEN as EN ISO 10581:2020 without any modification.

# INTERNATIONAL STANDARD

# ISO 10581

Second edition  
2019-11

---

---

## **Resilient floor coverings — Homogeneous poly(vinyl chloride) floor covering — Specifications**

*Revêtements de sol résilients — Revêtements de sol homogènes en  
poly(chlorure de vinyle) — Spécifications*



Reference number  
ISO 10581:2019(E)



## **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Requirements</b> .....	<b>2</b>
4.1 Identification requirements .....	2
4.2 General requirements .....	2
<b>5 Classification</b> .....	<b>3</b>
<b>6 Marking, labelling and packaging</b> .....	<b>4</b>
<b>Annex A (informative) Optional properties</b> .....	<b>6</b>
<b>Bibliography</b> .....	<b>7</b>



**ISO 10581:2019(E)****Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

This second edition cancels and replaces the first edition (ISO 10581:2011), which has been technically revised.

The main changes compared to the previous edition are as follows:

- Class 22+ was eliminated in [Table 3](#);
- the Level of use descriptions in [Table 3](#) were revised for Classes 21 and 22.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Resilient floor coverings — Homogeneous poly(vinyl chloride) floor covering — Specifications

## 1 Scope

This document specifies the characteristics of homogeneous floor coverings, based on poly(vinyl chloride), supplied in either tile or roll form. Products can contain a transparent, non-PVC factory finish.

To encourage the consumer to make an informed choice, this document also includes a classification system (see ISO 10874) based on intensity of use, which shows where these floor coverings give satisfactory service. 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.

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

ISO 4918, *Resilient, textile and laminate floor coverings — Castor chair test*

ISO 16906, *Resilient floor coverings — Determination of seam strength*

ISO 23997, *Resilient floor coverings — Determination of mass per unit area*

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

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

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

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

ISO 24344, *Resilient floor coverings — Determination of flexibility and deflection*

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

ASTM F 1515, *Standard test method for measuring light stability of resilient flooring by color change*

## 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:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>