
**Resilient floor coverings — Expanded
(cushioned) poly(vinyl chloride) floor
covering — Specification**

*Revêtements de sol résilients — Revêtements de sol amortis à base de
poly(chlorure de vinyle) expansé — Spécifications*

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 26986 was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

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Resilient floor coverings — Expanded (cushioned) poly(vinyl chloride) floor covering — Specification

1 Scope

This International Standard specifies the characteristics of floor coverings based on expanded (cushioned) poly(vinyl chloride), supplied as either tiles or rolls.

This International Standard includes a classification system based on the intensity of use, which shows where resilient floor coverings give satisfactory service.

2 Normative references

The following referenced documents are indispensable for the application 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:—¹⁾, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test*

ISO/TR 4918, *Textile floor coverings — Determination of wear — Castor chair test*

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

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 24340, *Resilient floor coverings — Determination of thickness of layers*

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 24343-2, *Resilient and laminate floor coverings — Determination of indentation and residual indentation — Part 2: Resilient floor covering: Short-term residual indentation*

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

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

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

ASTM F1515, *Standard Test Method for Measuring Light Stability of Resilient Flooring by Color Change*

1) To be published. (Revision of ISO 105-B02:1994)

4.1 Classification requirements

The classification scheme for resilient floor coverings is described in ISO 10874. The requirements for expanded poly(vinyl chloride) floor covering in accordance with this scheme are specified in Table 2.

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Table 2 — Classification requirements

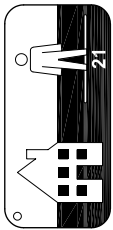
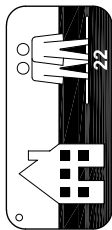
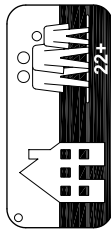
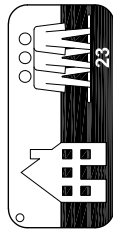
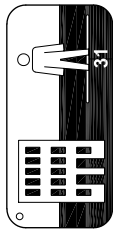
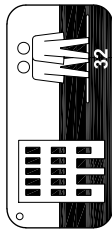
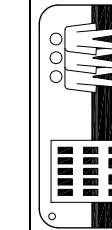
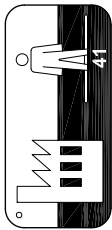
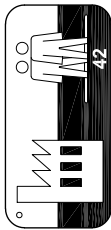
Class	Symbol	Intensity of use	Nominal thickness wear layer mm	Effect of a castor chair	Simulated movement of a furniture leg	Peel strength N/50 mm	Residual indentation after static loading (Method 1) mm	Indentation after 15 s static loading (Method 2) (average) mm	Residual indentation after static loading (Method 2) mm
		Domestic							
21		Moderate/ Light	0,15	No requirement	No requirement	No requirement	No requirement	≥ 0,40	≤ 0,35
22		General/ Medium	0,20	No requirement	No requirement	No requirement	No requirement	≥ 0,40	≤ 0,35
22+		General	0,20	No requirement	No damage shall be visible with foot 3	No requirement	No requirement	≥ 0,40	≤ 0,35
23		Heavy	0,25	No requirement	No damage shall be visible with foot 3	No requirement	No requirement	≥ 0,40	≤ 0,35
		Commercial							
31		Moderate	0,25	No requirement	No damage shall be visible with foot 3	No requirement	≤ 0,35	No requirement	No requirement
32		General	0,35	After 25.000 cycles, no disturbance to the surface other than a slight change in appearance and no delamination shall occur	No damage shall be visible with foot 2	Average ≥ 50 Individual results ≥ 40	≤ 0,20	No requirement	No requirement
33		Heavy	0,50			Average ≥ 50 Individual results ≥ 40	≤ 0,20	No requirement	No requirement

Table 2 (continued)

Class	Symbol	Intensity of use	Nominal thickness wear layer mm	Effect of a castor chair	Simulated movement of a furniture leg	Peel strength N/50 mm	Residual indentation after static loading (Method 1) mm	Indentation after 15 s static loading (Method 2) (average) mm	Residual indentation after static loading (Method 2) mm
41		Light Industrial	0,35	After 25.000 cycles, no disturbance to the surface other than a slight change in appearance and no delamination shall occur	No damage shall be visible with foot 2	Average ≥ 50 Individual results ≥ 40	$\leq 0,20$	No requirement	No requirement
42		Moderate	0,50	After 25.000 cycles, no disturbance to the surface other than a slight change in appearance and no delamination shall occur	No damage shall be visible with foot 2	Average ≥ 50 Individual results ≥ 40	$\leq 0,20$	No requirement	No requirement
Test method			ISO 24340	ISO 4918	EN 424	ISO 24345	ISO 24343-1	ISO 24343-2	ISO 24343-2

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