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Laminate floor coverings — Specification

Revêtements de sol stratifiés — Spécifications

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Foreword

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

This second edition cancels and replaces the first edition (ISO 14486:2012), which has been technically revised.

The main changes are as follows:

— definition 3.4 amended;

— provisions for tests with underlayment included;

— provisions for locking strength for herringbone installations added in Table 2;

— additional technical requirements added (see 4.3);

— requirements for packaging added (see 5.2).

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Introduction

To encourage the consumer to make an informed choice, this document includes a classification system (see ISO 10874) based on intensity of use, specifying the requirements floor coverings must fulfil in order to be deemed to give satisfactory service.

Laminate floor coverings are generally designed for floating installations for interior use and are considered for domestic and commercial levels of use, including domestic kitchens. This document does not specify requirements relating to the use in areas which are subjected to frequent wetting, such as bathrooms, laundry rooms or saunas. In general, laminate floor coverings can only be used in those areas when authorized by the manufacturer and under conditions described in the manufacturer's installation guidelines.

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Laminate floor coverings — Specification

1 Scope

This document specifies the characteristics of laminate floor coverings, supplied in modular format e.g. tiles, planks. It also specifies requirements for marking and packaging.

Additional operational properties are given in Annex A.

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-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*

ISO 4760, *Laminate flooring — Topical moisture resistance — Assembled joint*

ISO 4892-2:2013, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps*

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

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

ISO 16581, *Resilient and laminate floor coverings — Determination of the effect of simulated movement of a furniture leg*

ISO 16979, *Wood-based panels — Determination of moisture content*

ISO 16981, *Wood-based panels — Determination of surface soundness*

ISO 24334, *Laminate floor coverings — Determination of locking strength for mechanically assembled panels*

ISO 24335, *Laminate floor coverings — Determination of impact resistance*

ISO 24336, *Laminate floor coverings — Determination of thickness swelling after partial immersion in water*

ISO 24337, *Laminate floor coverings — Determination of geometrical characteristics*

ISO 24338:2022, *Laminate floor coverings — Determination of abrasion resistance*

ISO 24339, *Laminate and textile floor coverings — Determination of dimensional variations after exposure to humid and dry climate conditions*

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

EN 16354, *Laminate floor coverings — Underlays — Specification, requirements and test methods*

ANSI LF-01, *Laminate flooring — Specifications and test methods*

3 Terms and definitions

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

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