SLOVENSKI STANDARD
SIST EN 15398:2020

01-junij-2020

Nadomešča:
SIST-TS CEN/TS 15398:2016

Netekstilne, tekstilne, laminirane in modularne mehansko spojene talne obloge - Standardni simboli za talne obloge - Komplementarni element

Resilient, textile, laminate and modular mechanical locked floor coverings (MMF) - Floor covering standard symbols - Complementary element

Elastische, textile, Laminat- und modulare mechanisch verriegelnde Bodenbeläge - Standardisierte Symbole für Fußbodenbeläge

Revêtements de sol résilients, textiles, stratifiés et modulaires à verrouillage mécanique (MMF) - Symboles normalisés pour les revêtements de sol

Ta slovenski standard je istoveten z: **EN 15398:2020**

ICS:

01.080.20	Grafični simboli za posebno opremo	Graphical symbols for use on specific equipment
97.150	Talne obloge	Floor coverings

SIST EN 15398:2020 **en,fr,de**

EUROPEAN STANDARD

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EN 15398

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English Version

Resilient, textile, laminate and modular mechanical locked floor coverings (MMF) - Floor covering standard symbols - Complementary element

Revêtements de sol résilients, textiles, stratifiés et modulaires à verrouillage mécanique (MMF) - Symboles normalisés pour les revêtements de sol

Elastische, textile, Laminat- und modulare mechanisch verriegelnde Bodenbeläge - Standardisierte Symbole für Bodenbeläge

This European Standard was approved by CEN on 22 December 2019.

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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 COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 15398:2020) 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of an identical text or by endorsement, at the latest by September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.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 CEN/TS 15398:2016.

The main changes compared to the previous edition are listed below:

— The scope has been extended to include modular mechanically locked floor coverings, which is also reflected in the title of the document;

— The normative references have been updated;

— The document was updated to the new template, for which Clause 3 Terms and definitions is now obligatory. As a result, the numbering of the following clauses has shifted to a higher number;

— The pictograms in Clause 4.3 have been updated to be in line with the most recent version of EN 14041.

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.

Introduction

Resilient, textile and laminate floor coverings and in case of floating installation with underlays, the combination of these floor coverings with underlays, have a number of specific characteristics and are classified in a number of use classes.

In order to make the classification and these specific characteristics understandable and recognizable to the consumer, graphic symbols have been developed.

For practical reasons, only symbols for characteristics linked directly to a European or ISO Standard have been developed.

1 Scope

This document establishes a system of graphic symbols for use in the marking of the following floor coverings and specifies the use of these symbols:

— resilient floor coverings manufactured from plastics, linoleum, cork or rubber, excluding loose-laid mats;

— textile floor coverings, including loose-laid mats and rugs;

— laminate floor coverings;

— modular mechanical locked floor coverings (MMF).

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 438-1, *High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins (usually called laminates) — Part 1: Introduction and general information*

EN 438-2, *High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins (usually called laminates) — Part 2: Determination of properties*

EN 669, *Resilient floor coverings — Determination of dimensional stability of linoleum tiles caused by changes in atmospheric humidity*

EN 994, *Textile floor coverings — Determination of the side length, squareness and straightness of tiles*

EN 1081, *Resilient, laminate and modular multilayer floor coverings — Determination of the electrical resistance*

EN 1307, *Textile floor coverings — Classification*

EN 1399, *Resilient floor coverings — Determination of resistance to stubbed and burning cigarettes*

EN 1814, *Textile floor coverings — Determination of resistance to damage at cut edges using the modified Vettermann drum test*

EN 13329, *Laminate floor coverings — Elements with a surface layer based on aminoplastic thermosetting resins — Specifications, requirements and test methods*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13553, *Resilient floor coverings — Polyvinyl chloride floor coverings for use in special wet areas — Specification*

EN 13845, *Resilient floor coverings — Polyvinyl chloride floor coverings with particle based enhanced slip resistance — Specification*

EN 14041:2018, *Resilient, textile, laminate and modular multilayer floor coverings — Essential characteristics*

EN 14215, *Textile floor coverings — Classification of machine-made rugs and runners*

EN 14978, *Laminate floor coverings — Elements with acrylic based surface layer, electron beam cured — Specifications, requirements and test methods*

EN 15468, *Laminate floor coverings — Elements with directly applied printing and resin surface layer — Specifications, requirements and test methods*

EN 16205, *Laboratory measurement of walking noise on floors*

EN 16511 *Loose-laid panels — Semi-rigid multilayer modular floor covering (MMF) panels with wear resistant top layer*

EN 16810**,** *Resilient, textile and laminate floor coverings — Environmental product declarations — Product category rules*

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

EN ISO 354, *Acoustics — Measurement of sound absorption in a reverberation room (ISO 354)*

EN ISO 717-2, *Acoustics — Rating of sound insulation in buildings and of building elements — Part 2: Impact sound insulation (ISO 717-2)*

EN ISO 10833, *Textile floor coverings — Determination of resistance to damage at cut edge using the modified vetterman drum test (ISO 10833)*

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

EN ISO 11654, *Acoustics — Sound absorbers for use in buildings — Rating of sound absorption (ISO 11654)*

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

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

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

EN ISO 26987, *Resilient floor coverings — Determination of staining and resistance to chemicals (ISO 26987)*

ISO 1765, *Machine-made textile floor coverings — Determination of thickness*

ISO 8302, *Thermal insulation — Determination of steady-state thermal resistance and related properties — Guarded hot plate apparatus*

ISO 8543, *Textile floor coverings — Methods for determination of mass*

ISO 10965, *Textile floor coverings — Determination of electrical resistance*

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

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

ISO 24343 (all parts), *Resilient and laminate floor coverings — Determination of indentation and residual indentation*

3 Terms and definitions

No terms and definitions are listed in this document.

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

4 Pictograms

4.1 General

If a specific standard is not valid for all four product groups, the relevant product group(s) will be mentioned below using one of the following abbreviations:

R = Resilient floor coverings; **T** = Textile floor coverings; **L** = Laminate floor coverings; **M** = Modular multilayer floor coverings

Where relevant the value of the technical characteristic needs to be given in the technical documentation.

4.2 Pictograms in relation to classes of use

The pictograms for the relevant classes of use for the floor coverings are described in EN ISO 10874. The requirements for the various use classes are determined in the relevant product standards.

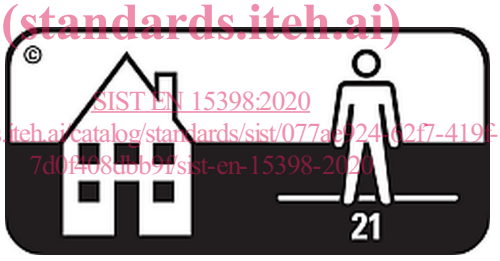

Figure 1 — Class 21 Domestic moderate/light

Figure 2 — Class 22 Domestic general/medium

Figure 3 — Class 22+ Domestic general

Figure 4 — Class 23 Domestic heavy

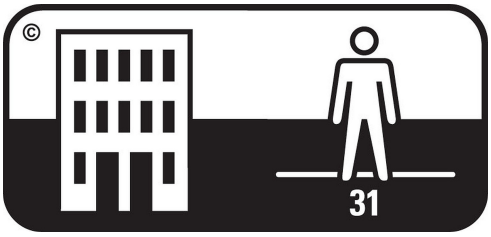

Figure 5 — Class 31 Commercial moderate/light

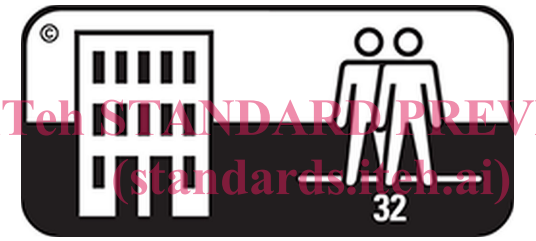

Figure 6 — Class 32 Commercial general

Figure 7 — Class 33 Commercial heavy

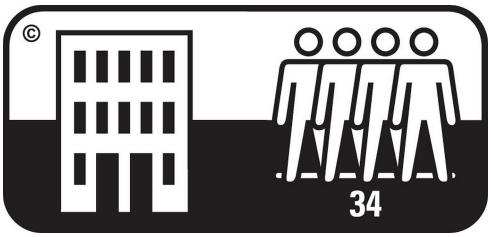

Figure 8 — Class 34 Commercial very heavy

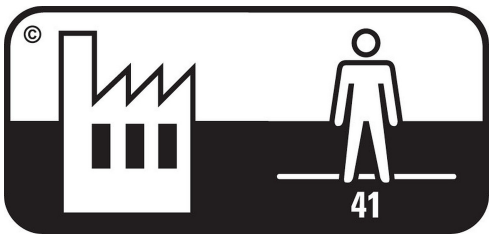

Figure 9 — Class 41 Industrial moderate

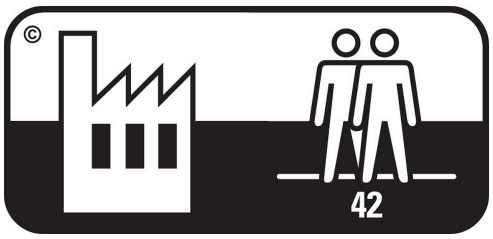

Figure 10 — Class 42 Industrial general

Figure 11 — Class 43 Industrial heavy

4.3 Pictograms related to essential requirements

4.3.1 General

EN 14041 specifies the health, safety and energy saving requirements of floor coverings under the CE marking.

4.3.2 CE marking

CE

Figure 12 — CE mark (EU Regulation (EC) No 765/2008, Annex II)

4.3.3 Electrical behaviour

The electrical behaviour of resilient, textile, laminate and modular multilayer floor coverings – antistatic floor coverings - is specified in EN 14041 and the relevant product standards.

Figure 13 — Electrical behaviour – Antistatic floor covering

The electrical behaviour of resilient, textile, laminate and modular multilayer floor coverings – vertical resistance (static dissipative characteristic) is specified in EN 14041.

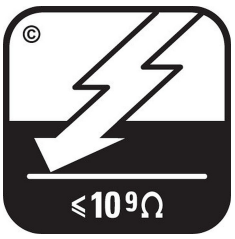

Figure 14 — Electrical behaviour – Vertical resistance – Static dissipative floor covering

The electrical behaviour of resilient, textile, laminate and modular multilayer floor coverings – vertical resistance (conductive characteristic) is specified in EN 14041.

Figure 15 — Electrical behaviour – Vertical resistance – Conductive floor covering

4.3.4 Fire

The reaction to fire of resilient, textile, laminate and modular multilayer floor coverings is specified in EN 14041 and EN 13501-1.

L: Loose-laid

G: Glued

CS: Combustible Substrate

NCS: Non Combustible Substrate