



SLOVENSKI STANDARD

SIST EN 428:1999

01-marec-1999

Netekstilne talne obloge - Ugotavljanje celotne debeline

Resilient floor coverings - Determination of overall thickness

Elastische Bodenbeläge - Bestimmung der Gesamtdicke

Revetements de sol résilients - Détermination de l'épaisseur totale

Ta slovenski standard je istoveten z: EN 428:1993

[SIST EN 428:1999](https://standards.iteh.ai/catalog/standards/sist/c15a60e3-e0e6-4668-bccc-7da675007417/sist-en-428-1999)

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ICS:

97.150 Netekstilne talne obloge Non-textile floor coverings

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en

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EUROPEAN STANDARD

EN 428

NORME EUROPÉENNE

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English version

Resilient floorcoverings - Determination of overall thickness

Revêtements de sol résilients - Détermination
de l'épaisseur totale

Elastische Bodenbeläge - Bestimmung der
Gesamtdicke

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard was prepared by CEN/TC 134 "Resilient and textile floor coverings", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by March 1994, and conflicting national standards shall be withdrawn at the latest by March 1994.

The Standard was approved and in accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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Resilient floor coverings - Determination of overall thickness

1 Scope

This European Standard specifies a method for determining the overall thickness of a resilient floor covering.

2 Definition

For the purposes of this standard, the following definition applies.

overall thickness: The distance between two parallel plates where a resilient floor covering is inserted under a certain load.

3 Principle

The test piece is placed between two parallel plates, and the distance between them is measured, the contact pressure being adapted to suit the structure of the test piece.

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4 Apparatus

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4.1 A mobile circular upper plate. For various type of resilient floor covering structures, the diameter of the upper plate, the applied mass, area and pressure shall comply with table 1.

NOTE: For composition cork, the apparatus described in ISO 9366 using the applied mass and pressure specified in table 1 of this standard, may also be used.

4.2 A fixed lower plate at least equal to the size of the upper plate.

4.3 A comparator to measure the distance between the plates to an accuracy of 0,01 mm.

Structure of test piece	Diameter of upper plate mm	Area mm ²	Mass applied kg	Approximate corresponding pressure kPa
Solid throughout	8,00 ± 0,05	50	0,40 ± 0,02	80
At least one non-solid layer	25,3 ± 0,1	500	0,20 ± 0,01	4
Rubber and other relief materials	50,0 ± 0,2	2000	5,0 ± 0,1	25
Composition cork	11,30 ± 0,05	100	0,80 ± 0,02	80

5 Sampling and preparation of test pieces

Take two representative samples from a roll, one from each end or from the beginning of two rolls.

From each sample, take a test piece of minimum width 100 mm across the full width of the sample.

Take five tiles from the sample as test pieces. Where a pack of tiles comprises the sample, ensure that the first and last tiles are not used as test pieces.

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6 Conditioning

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Condition the test pieces at a temperature of (23 ± 2) °C and relative humidity of (50 ± 5) % for a minimum of 24 h.

Maintain these conditions when carrying out the test.

7 Procedure

Check whether the plates are clean. Place them in contact with each other and adjust the comparator to zero.

Slide the test piece between the plates and apply the appropriate mass. Apply finger pressure on each side of the upper plate to determine whether it causes the comparator to move. If it does, keep the test piece flat on the lower plate and read the comparator. Read the thickness 5 s after application of the loaded plate.

Take at least 10 measurements for each test piece at a distance of at least 10 mm from the edges.

For tiles, measure each test piece at four positions close to the corners, at a distance of at least 10 mm from the edges.

Record the measured values for each test pieces.

8 Calculation and expression of results

Calculate the mean value of thickness from the number of measurements taken and express the result to 0,01 mm.

9 Test report

The test report shall contain the following information:

- a) a reference to this standard, i.e EN 428;
- b) a complete identification of the product tested, including type, source, colour and manufacturer's reference numbers;
- c) previous history of the sample;
- d) the mean value for overall thickness;
- e) the maximum and minimum values for thickness;
- f) any deviation from this standard which may have affected the results.

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Annex A (informative)

Bibliography

ISO 9366 **Composition cork floor tiles - Determination and control of squareness and straightness of edges**

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