



SLOVENSKI STANDARD
SIST EN ISO 10563:2001

01-december-2001

Gradnja objektov - Tesnilne mase za stike - Ugotavljanje spremembe mase in prostornine

Building construction - Sealants for joints - Determination of change in mass and volume (ISO 10563:1991)

Hochbau - Fugendichtstoffe - Bestimmung der Änderung von Masse und Volumen (ISO 10563:1991)

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Construction immobiliere - Mastics pour joints - Détermination des variations de masse et de volume (ISO 10563:1991)

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Ta slovenski standard je istoveten z: EN ISO 10563:1997

ICS:

91.100.50 Veziva. Tesnilni materiali Binders. Sealing materials

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10563

September 1997

ICS 91.100.50

Descriptors: see ISO document

English version

Building construction - Sealants for joints - Determination of change in mass and volume (ISO 10563:1991)

Construction immobilière - Mastics pour joints -
Détermination des variations de masse et de volume (ISO
10563:1991)

Hochbau - Fugendichtstoffe - Bestimmung der Änderung
von Masse und Volumen (ISO 10563:1991)

This European Standard was approved by CEN on 26 September 1997.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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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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EN ISO 10563:1997

Foreword

The text of the International Standard from Technical Committee ISO/TC 59 "Building construction" of the International Organization for Standardization (ISO) has been taken over as an European Standard by the Technical Board of CEN.

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 1998, and conflicting national standards shall be withdrawn at the latest by March 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 10563:1991 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).



Annex ZA (normative)
Normative references to international publications
with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 6927	1981	Building construction - Jointing products - Sealants - Vocabulary	EN 26927	1990

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INTERNATIONAL STANDARD

ISO
10563

First edition
1991-07-15

Building construction — Sealants for joints — Determination of change in mass and volume

*Construction immobilière — Mastics pour joints — Détermination des
variations de masse et de volume*

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Reference number
ISO 10563:1991(E)

ISO 10563:1991(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.

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.

International Standard ISO 10563 was prepared by Technical Committee ISO/TC 59, *Building construction*.

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International Organization for Standardization
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Building construction — Sealants for joints — Determination of change in mass and volume

1 Scope

This International Standard specifies a method for the determination of the change of mass and the change of volume of sealants used in joints in building construction.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 6927:1981, *Building construction — Jointing products — Sealants — Vocabulary*.

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 6927 apply.

4 Principle

Test specimens consisting of metal rings filled with the sealant to be tested are submitted to room temperature and to elevated temperature. The differences between the masses and/or the volumes of the test specimens measured before and after exposure to the temperatures are recorded.

5 Apparatus and materials

5.1 Rings of non-corrosive metal, having the following approximate dimensions: outer diameter, 34 mm; inner diameter, 30 mm; height, 10 mm. A hook or loop is fixed to each ring to suspend it from a string for the weighing procedure.

5.2 Anti-adherent substrate, for the preparation of test specimens; e.g. wet paper.

5.3 Conditioning chamber, capable of being controlled at $23\text{ °C} \pm 2\text{ °C}$ and $(50 \pm 5)\%$ relative humidity.

5.4 Ventilated oven, convection-type, capable of being controlled at $70\text{ °C} \pm 2\text{ °C}$, having an air exchange rate of 30 ± 5 times per hour.

5.5 Regular balance, with an accuracy of 0,01 g.

5.6 Hydrostatic balance, with an accuracy of 0,01 g.

5.7 Test liquid, at a temperature of $23\text{ °C} \pm 2\text{ °C}$, consisting of water with the addition of up to 0,25 % (m/m) of a low-foam surfactant or, in the case of water-sensitive sealants, iso-octane (2,2,4-trimethylpentane) with a boiling point of 99 °C and a density of 0,7 g/ml.

5.8 Container, for the immersion of the test specimens in the test liquid.

6 Preparation of test specimens

6.1 Prepare three metal rings for each property to be tested.