

**Ehitamine. Vuukide tihendusmaterjalid.
Massi- ja mahumuutuse määramine**

Building construction - Sealants - Determination of
change in mass and volume

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 10563:2005 sisaldab Euroopa standardi EN ISO 10563:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.09.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 10563:2005 consists of the English text of the European standard EN ISO 10563:2005.</p> <p>This document is endorsed on 29.09.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala: See standard määrab kindlaks meetodi hoone vuukides kasutatavate tihendusmaterjalide massi- ja mahumuutuse määramiseks.</p>	<p>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. This International Standard is not suitable for selflevelling sealants.</p>
--	---

ICS 91.100.50

Võtmesõnad: hooned, konstruktsioonivuugid, maht, mass, määramine, tihendusmaterjalid

English Version

**Building construction - Sealants - Determination of change in
mass and volume (ISO 10563:2005)**

Construction immobilière - Mastics - Détermination des
variations de masse et de volume (ISO 10563:2005)

Hochbau - Fugendichtstoffe - Bestimmung der Änderung
von Masse und Volumen (ISO 10563:2005)

This European Standard was approved by CEN on 27 June 2005.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN ISO 10563:2005) has been prepared by Technical Committee ISO/TC 59 "Building construction" in collaboration with CMC.

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 January 2006, and conflicting national standards shall be withdrawn at the latest by January 2006.

This document supersedes EN ISO 10563:1997.

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

Endorsement notice

The text of ISO 10563:2005 has been approved by CEN as EN ISO 10563:2005 without any modifications.

**Building construction — Sealants —
Determination of change in mass
and volume**

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



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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 10563 was prepared by Technical Committee ISO/TC 59, *Building construction*, Subcommittee SC 8, *Joining products*.

This second edition cancels and replaces the first edition (ISO 10563:1991), Clauses 5 and 6 of which have been technically revised.

Building construction — Sealants — 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. This International Standard is not suitable for self-levelling sealants.

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 6927, *Building construction — Jointing products — Sealants — Vocabulary*

3 Terms and 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.

EXAMPLE Wet paper.

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

5.4 Ventilated oven, capable of being controlled at $(70 \pm 2) ^\circ\text{C}$.

5.5 Balance, with an accuracy of 0,01 g, capable of being used to weigh the test specimens in air and immersed in water.

5.6 Test liquid, at a temperature of $(23 \pm 2) ^\circ\text{C}$, consisting of water with the addition of up to 0,25 % (by mass) of a low-foam surfactant. In the case of water-sensitive sealants, laboratory grade 2,2,4-trimethylpentane (iso-octane) shall be used.

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