

**Ehitamine. Vuugimaterjalid.
Tihendusmaterjalid. Tõmbeomaduste
määramine**

Building construction - Sealants - Determination of
tensile properties

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 8339:2005 sisaldab Euroopa standardi EN ISO 8339:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.08.2005 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 8339:2005 consists of the English text of the European standard EN ISO 8339:2005.</p> <p>This document is endorsed on 29.08.2005 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>
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<p>Käsitlusala: This International Standard specifies a method for the determination of the tensile properties of sealants used in joints in building construction.</p>	<p>Scope: This International Standard specifies a method for the determination of the tensile properties of sealants used in joints in building construction.</p>
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Võtmesõnad: tihendusmaterjalid, tõmbeomadused, vuugimaterjalid

English version

Building construction - Sealants - Determination of tensile
properties (Extension to break) (ISO 8339:2005)

Construction immobilière - Mastics - Détermination des
propriétés de traction (Allongement jusqu'à rupture) (ISO
8339:2005)

Hochbau - Fugendichtstoffe - Bestimmung des
Zugverhaltens (Dehnung bis zum Bruch) (ISO 8339:2005)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN ISO 8339:2005) 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of an identical text or by endorsement, at the latest by December 2005, and conflicting national standards shall be withdrawn at the latest by December 2005.

This document supersedes EN 28339:1990.

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 8339:2005 has been approved by CEN as EN ISO 8339:2005 without any modifications.

**Building construction — Sealants —
Determination of tensile properties
(Extension to break)**

*Construction immobilière — Mastics — Détermination des propriétés de
traction (Allongement jusqu'à rupture)*



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Foreword

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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 8339 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 8339:1984), which has been technically revised.

Building construction — Sealants — Determination of tensile properties (Extension to break)

1 Scope

This International Standard specifies a method for the determination of the tensile properties of sealants used in joints in building construction.

NOTE A method for the determination of tensile properties at maintained extension is specified in ISO 8340.

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*

ISO 8340, *Building construction — Sealants — Determination of tensile properties at maintained extension*

ISO 13640, *Building construction — Jointing products — Specifications for test substrates*

3 Terms and definitions

For the purpose of this document, the definitions given in ISO 6927 apply.

4 Principle

Test specimens are prepared such that the sealant to be tested adheres to two parallel contact surfaces. The test specimens are extended to break and the tensile properties are recorded on a force/extension diagram. The test results are used to calculate the secant modulus and the extension to break.

5 Apparatus

5.1 Substrate materials, used for the preparation of test specimens as defined in ISO 13640. The substrate materials shall be selected from mortar and/or anodized aluminium and/or glass. Other substrate materials may be used as agreed by the parties concerned.

For each test specimen two substrate pieces of the same material are required with a cross section of dimensions as shown in Figures 1 and 2. Test substrates of other dimensions may be used, but then the dimensions of the sealant bead and the area of adhesion shall be the same as those shown in Figures 1 and 2.

5.2 Spacers, of cross section (12 mm × 12 mm) with anti-adherent surface. For the preparation of test specimens see Figures 1 and 2.