

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8339:2005](#)

<https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8339

June 2005

ICS 91.100.50

Supersedes EN 28339:1990

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)

This European Standard was approved by CEN on 25 May 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.

[SIST EN ISO 8339:2005](https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005)

<https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005>



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

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

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of an identical text or by endorsement, at the latest by December 2005, and conflicting national standards shall be withdrawn at the latest by December 2005.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

(standards.iteh.ai)

[SIST EN ISO 8339:2005](https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005)

<https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005>

INTERNATIONAL STANDARD

ISO
8339

Second edition
2005-06-15

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

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8339:2005](https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005)

[https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-
c0f86c6a8f7f/sist-en-iso-8339-2005](https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005)



Reference number
ISO 8339:2005(E)

© ISO 2005

ISO 8339:2005(E)

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.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 8339:2005](https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005)

<https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005>

© 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

Contents

Page

Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions.....	1
4 Principle.....	1
5 Apparatus	1
6 Preparation of test specimens	2
7 Conditioning of test specimens	2
8 Test procedure	3
9 Expression of results	3
10 Test report.....	4

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8339:2005](https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005)

<https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005>

ISO 8339:2005(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.

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 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.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 8339:2005

<https://standards.iteh.ai/catalog/standards/sist/9360b84f-20bd-4781-ab3d-c0f86c6a8f7f/sist-en-iso-8339-2005>

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.