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Building construction - Jointing products - Determination of elastic recovery of sealants

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Determination of elastic recovery of sealants

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 7389:2004 sisaldab Euroopa standardi EN ISO 7389:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 20.02.2004 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 7389:2004 consists of the English text of the European standard EN ISO 7389:2003.</p> <p>This document is endorsed on 20.02.2004 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 elastic recovery of sealants after maintained extension.</p>	<p>Scope: This international Standard specifies a method for the determination of the elastic recovery of sealants after maintained extension.</p>
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ICS 91.100.50

Võtmesõnad:

English version

Building construction – Jointing products

Determination of elastic recovery of sealants

(ISO 7389 : 2002)

Construction immobilière – Produits
pour joints – Détermination de la
reprise élastique des mastics
(ISO 7389 : 2002)

Hochbau – Fugendichtstoffe – Be-
stimmung des Rückstellvermögens
von Dichtungsmassen
(ISO 7389 : 2002)

This European Standard was approved by CEN on 2003-09-25.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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

CEN

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

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

Foreword

International Standard

ISO 7389 : 2002 Building construction – Jointing products – Determination of elastic recovery of sealants, which was prepared by ISO/TC 59 'Building construction' of the International Organization for Standardization, has been adopted by CEN/CMC as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by May 2004 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 7389 : 2002 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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1 Scope

This International Standard specifies a method for the determination of the elastic recovery of sealants after maintained extension.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

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

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

3 Terms and definitions

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

4 Principle

The test sealant is extended, held in extension and released. The elastic recovery is expressed as a percentage of the extension.

5 Apparatus

5.1 Substrate materials used for the preparation of test specimens are defined in ISO 13640.

The materials shall be selected from mortar or anodized aluminium or glass. Other substrate materials may be used as agreed by the parties concerned. For each test specimen, two supports of the same material are required with 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, for the preparation of the test specimens, of cross-section 12 mm × 12 mm, with anti-adherent surface.

5.3 Spacers, with a width of 15 mm or 19,2 mm or 24 mm, to hold the test specimens at an elongation of 25 %, 60 % or 100 % respectively (see Table 1).

5.4 Anti-adherent substrate, for the preparation of test specimens, e.g. polyethylene (PE) film, preferably according to the advice of the sealant manufacturer.