

# **SLOVENSKI STANDARD**

## **SIST EN ISO 11432:2001**

**01-december-2001**

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### **Gradnja objektov - Tesnilne mase - Ugotavljanje odpornosti proti pritisku**

Building construction - Sealants - Determination of resistance to compression (ISO 11432:1993)

Hochbau - Fugendichtstoffe - Bestimmung des Druckwiderstands (ISO 11432:1993)

Construction immobilière - Mastics - Détermination de la résistance à la compression (ISO 11432:1993)

**Ta slovenski standard je istoveten z: EN ISO 11432:1997**

SIST EN ISO 11432:2001  
<https://standards.iteh.ai/catalog/standards/sist/de43377e-b5b1-4e06-9cd4-6cfbaa518b08/sist-en-iso-11432-2001>

#### **ICS:**

91.100.50      Veziva. Tesnilni materiali      Binders. Sealing materials

**SIST EN ISO 11432:2001**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 11432

September 1997

ICS 91.100.50

Descriptors: see ISO document

English version

Building construction - Sealants - Determination of resistance to  
compression (ISO 11432:1993)

Construction immobilière - Mastics - Détermination de la  
résistance à la compression (ISO 11432:1993)

Hochbau - Fugendichtstoffe - Bestimmung des  
Druckwiderstands (ISO 11432:1993)

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 11432:1997

## 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 11432:1993 has been approved by CEN as a European Standard without any modification.

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

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**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**  
**11432**

First edition  
1993-04-15

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## **Building construction — Sealants — Determination of resistance to compression**

**iTeh STANDARD PREVIEW**

*Construction immobilière — Mastics — Détermination de la résistance à  
la compression*  
(standards.iteh.ai)

SIST EN ISO 11432:2001

<https://standards.iteh.ai/catalog/standards/sist/de43377e-b3b1-4e06-9cd4-6cfbaa518b08/sist-en-iso-11432-2001>



Reference number  
ISO 11432:1993(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 11432 was prepared by Technical Committee ISO/TC 59, *Building construction*, Sub-Committee SC 8, *Jointing products*.

<https://standards.iteh.ai/catalog/standards/sist/de43377e-b3b1-4e06-9cd4-6cfbaa518b08/sist-en-iso-11432-2001>

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# Building construction — Sealants — Determination of resistance to compression

## 1 Scope

This International Standard specifies a method for the determination of the resistance to compression 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

Preparation of test specimens in which the sealant to be tested adheres to two parallel contact surfaces. Compression of the test specimens to a defined value under defined conditions and recording the applied force and the resulting stress.

## 5 Apparatus

**5.1 Aluminium supports**, for the preparation of test specimens (two supports are required for each specimen), of dimensions as shown in figure 1.

**5.2 Spacers**, for the preparation of the test specimens, of dimensions 12 mm × 12 mm × 12,5 mm, with non-adherent surface (see figure 1).

NOTE 1 If the spacers are made of a material to which the sealant adheres, their surfaces should be made non-adherent, e.g. by a thin wax coating.

**5.3 Non-adherent substrate**, for the preparation of test specimens, e.g. polytetrafluoroethylene (PTFE) film or vellum paper, preferably on the advice of the sealant manufacturer.

**5.4 Ventilated convection-type oven**, capable of being maintained at  $70\text{ °C} \pm 2\text{ °C}$ , and having an air exchange rate of  $30 \pm 5$  times per hour, for conditioning according to method B.

**5.5 Container**, filled with distilled water, for conditioning according to method B.

**5.6 Test machine**, with recording device, capable of compressing the test specimens at a rate of 5 mm/min to 6 mm/min.

## 6 Preparation of test specimens

Three test specimens shall be prepared.

For each test specimen, two supports (5.1) and two spacers (5.2) shall be assembled (see figure 1) and set up on the non-adherent substrate (5.3) which should be wetted by water containing a detergent to facilitate their subsequent removal.

The instructions of the sealant manufacturer shall be followed concerning, for instance, whether a primer is to be used.

The hollow volume formed by the supports and spacers shall be filled with the sealant which has been conditioned for 24 h at  $23\text{ °C} \pm 2\text{ °C}$ . The following precautions shall be taken:

a) avoid the formation of air bubbles;