

SLOVENSKI STANDARD

SIST EN ISO 9046:2005

01-februar-2005

BUKca Yý U
SIST EN 29046:1996

Gradnja objektov - Tesnilne mase - Ugotavljanje adhezijskih/kohezijskih lastnosti tesnilnih mas pri stalni temperaturi (ISO 9046:2002)

Building construction - Jointing products - Determination of adhesion/cohesion properties of sealants at constant temperature (ISO 9046:2002)

Hochbau - Fugendichtstoffe - Bestimmung des Haft- und Dehnverhaltens von Dichtstoffen bei konstanter Temperatur (ISO 9046:2002)

Construction immobilière - Produits pour joints - Détermination des propriétés d'adhésivité/cohésion des mastics à température constante (ISO 9046:2002)

Ta slovenski standard je istoveten z: EN ISO 9046:2004

ICS:

91.100.50 Veziva. Tesnilni materiali Binders. Sealing materials

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 9046

December 2004

ICS 91.100.50

Supersedes EN 29046:1990

English version

Building construction - Jointing products - Determination of
adhesion/cohesion properties of sealants at constant
temperature (ISO 9046:2002)

Construction immobilière - Produits pour joints -
Détermination des propriétés d'adhésivité/cohésion des
mastics à température constante (ISO 9046:2002)

Hochbau - Fugendichtstoffe - Bestimmung des Haft- und
Dehnverhaltens von Dichtstoffen bei konstanter
Temperatur (ISO 9046:2002)

This European Standard was approved by CEN on 21 December 2004.

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.

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

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EN ISO 9046:2004 (E)**Foreword**

The text of ISO 9046:2002 has been prepared by Technical Committee ISO/TC 59 "Building construction" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 9046:2004 by 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 June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

This document supersedes EN 29046:1990.

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 9046:2002 has been approved by CEN as EN ISO 9046:2004 without any modifications.

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INTERNATIONAL STANDARD

**ISO
9046**

Second edition
2002-05-01

Building construction — Jointing products — Determination of adhesion/cohesion properties of sealants at constant temperature

*Construction immobilière — Produits pour joints — Détermination des
propriétés d'adhésivité/cohésion des mastics à température constante*

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Reference number
ISO 9046:2002(E)

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Printed 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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 9046 was prepared by Technical Committee ISO/TC 59, *Building construction*, Subcommittee SC 8, *Jointing products*.

This second edition cancels and replaces the first edition (ISO 9046:1987), which has been technically revised.

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Building construction — Jointing products — Determination of adhesion/cohesion properties of sealants at constant temperature

1 Scope

This International Standard specifies a method for the determination of the adhesion/cohesion properties of sealants with predominantly plastic behaviour which are used in joints in building construction.

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

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

4 Principle

Test specimens are prepared in which the sealant to be tested adheres to two parallel surfaces. After submission to cycles of compression and extension, the test specimens are examined for evidence of loss of adhesion or cohesion.

5 Apparatus

5.1 Substrate materials, mortar or anodized aluminium or glass, used for the preparation of test specimens are defined in ISO 13640. 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 dimensions as shown in Figures 1 and 2. Test substrates of other dimensions may be used, but 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 dimensions $12\text{ mm} \times 12\text{ mm} \times \approx 12,5\text{ mm}$ with anti-adherent surface (see Figures 1 and 2).

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

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

5.5 Container for water immersion of the specimen, for conditioning according to method B.