

STN	Konštrukčné lepidlá Stanovenie spracovateľnosti (použitelnosti) viaczložkových lepidiel (ISO 10364: 2015)	STN EN ISO 10364 66 8572
------------	--	--

Structural adhesives - Determination of the pot life (working life) of multi-component adhesives (ISO 10364:2015)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/18

Obsahuje: EN ISO 10364:2018, ISO 10364:2015

Oznámením tejto normy sa ruší
STN EN 14022 (66 8572) z júla 2010

127240

EUROPEAN STANDARD

EN ISO 10364

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2018

ICS 83.180

Supersedes EN 14022:2010

English Version

**Structural adhesives - Determination of the pot life
(working life) of multi-component adhesives (ISO
10364:2015)**

Adhésifs structuraux - Détermination de la vie en pot
(délai d'utilisation) d'adhésifs multicomposants (ISO
10364:2015)

Strukturklebstoffe - Bestimmung der Topfzeit
(Verarbeitungszeit) von Mehrkomponentenklebstoffen
(ISO 10364:2015)

This European Standard was approved by CEN on 18 April 2017.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 10364:2018 (E)

Contents	Page
European foreword.....	3

European foreword

The text of ISO 10364:2015 has been prepared by Technical Committee ISO/TC 61 “Plastics” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 10364:2018 by Technical Committee CEN/TC 193 “Adhesives” the secretariat of which is held by UNE.

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 September 2018, and conflicting national standards shall be withdrawn at the latest by September 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14022:2010.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 10364:2015 has been approved by CEN as EN ISO 10364:2018 without any modification.

INTERNATIONAL STANDARD

**ISO
10364**

Third edition
2015-09-15

Structural adhesives — Determination of the pot life (working life) of multi- component adhesives

*Adhésifs structuraux — Détermination de la durée de vie en pot (délai
d'utilisation) d'adhésifs multicomposants*



Reference number
ISO 10364:2015(E)

© ISO 2015

ISO 10364:2015(E)**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2015, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
6 Procedure	3
6.1 Sampling.....	3
6.2 Method 1: Determination from the change in apparent viscosity.....	3
6.3 Method 2: Determination from the change in extrusion rate.....	4
6.4 Method 3: Determination from the reaction temperature.....	5
6.5 Method 4: Determination by means of a drying recorder.....	5
7 Expression of results	6
8 Test report	6
Bibliography	8

ISO 10364:2015(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#).

The committee responsible for this document is ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This third edition cancels and replaces the second edition (ISO 10364:2007), which has been technically revised.

Structural adhesives — Determination of the pot life (working life) of multi-component adhesives

SAFETY STATEMENT — Persons using this International Standard should be familiar with normal laboratory practice, if applicable. This International Standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory requirements.

1 Scope

This International Standard specifies methods for determining the pot life of multi-part adhesives in order to be able to determine whether the pot life conforms to the minimum specified working life required of an adhesive.

For the purposes of simplification, the term “pot life” is deemed to have the same meaning as “working life” and will be used to represent both throughout this International Standard. Methods described to measure the property provide different answers. So the results shall be specified with respect to the method used.

The test methods described are suitable for assessing all multi-part adhesives, and especially epoxy based and polyurethane based adhesives, but they are not suitable for some acrylic-based adhesives.

NOTE 1 Some of the methods described in this International Standard can also be suitable for determination of working life of one-part adhesives that react to humidity (e.g. PUR prepolymers).

NOTE 2 This International Standard can also be used for assessing non-structural adhesives.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 472, *Plastics — Vocabulary*

ISO 2555, *Plastics — Resins in the liquid state or as emulsions or dispersions — Determination of apparent viscosity by the Brookfield Test method*

ISO 3219, *Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear rate*

ISO 15605, *Adhesives — Sampling*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN