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**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*



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## 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 10364 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This second edition cancels and replaces the first edition (ISO 10364:1993), which has been technically revised. The revision is based on EN 14022, prepared by the European Committee for Standardization (CEN), Technical Committee CEN/TC 193, *Adhesives*.

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

**SAFETY STATEMENT** — Persons using this document should be familiar with normal laboratory practice, if applicable. This document 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-component adhesives in order to be able to determine whether the pot life conforms to the minimum specified working life required of an adhesive.

NOTE 1 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.

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

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

## 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 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*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 472 and the following apply.

### 3.1

**pot life**

**working life**

period of time during which a multi-component adhesive can be used after its component parts have been mixed