
**Building and civil engineering
sealants — Determination of
application life**

*Mastics pour le bâtiment et le génie civil — Détermination de la durée
pratique d'utilisation*



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Foreword

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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).

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This document was prepared by Technical Committee ISO/TC 59, *Buildings and civil engineering works*, Subcommittee SC 8, *Sealants*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Building and civil engineering sealants — Determination of application life

1 Scope

The document specifies a method for the determination of application life of multi-component sealants.

NOTE The application life test method is only applicable to multi-part sealants.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 6927, *Building and civil engineering sealants — Vocabulary*

ISO 8394-2, *Buildings and civil engineering works — Determination of extrudability of sealants — Part 2: Using standardized apparatus*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6927 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

application life

maximum amount of time the user has to apply the sealant after the base and curing agent components have been mixed together in accordance with manufacturer's instructions

Note 1 to entry: Application life is the longest time that the mixed sealant retains its minimum extrusion properties.

Note 2 to entry: Application life is also frequently referred to as "pot life" or "working life", although the definitions of these terms and the related test procedures can vary. "Snap time" is an entity related to application life but differs both in the definition of the term and the related test procedure

4 Principle

The application life of a multi-component wet sealant is determined by extruding it under defined conditions from a standardized apparatus at certain time intervals after the onset of the curing process. Once the mass of sealant extruded within 30 s from the standardized apparatus drops below a predetermined limit (specified, for instance, by the sealant supplier), the sealant has reached the end of its application life.