



NSAI
Standards

Irish Standard
I.S. EN ISO 6927:2021

Buildings and civil engineering sealants - Vocabulary (ISO 6927:2021)

I.S. EN ISO 6927:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

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This document is based on:

EN ISO 6927:2021

Published:

2021-04-14

This document was published under the authority of the NSAI and comes into effect on:

2021-05-06

ICS number:

01.040.91

91.100.50

NOTE: If blank see CEN/CENELEC cover page

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National Foreword

I.S. EN ISO 6927:2021 is the adopted Irish version of the European Document EN ISO 6927:2021, Buildings and civil engineering sealants - Vocabulary (ISO 6927:2021)

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EUROPEAN STANDARD

EN ISO 6927

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2021

ICS 01.040.91; 91.100.50

Supersedes EN ISO 6927:2012

English Version

Buildings and civil engineering sealants - Vocabulary (ISO 6927:2021)

Mastics pour le bâtiment et le génie civil - Vocabulaire
(ISO 6927:2021)

Bauwesen - Dichtstoffe - Begriffe (ISO 6927:2021)

This European Standard was approved by CEN on 8 November 2020.

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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.

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European foreword

This document (EN ISO 6927:2021) has been prepared by Technical Committee ISO/TC 59 "Buildings and civil engineering works" in collaboration with Technical Committee CEN/SS B02 "Structures" the secretariat of which is held by CCMC.

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of an identical text or by endorsement, at the latest by October 2021, and conflicting national standards shall be withdrawn at the latest by October 2021.

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 ISO 6927:2012.

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

Endorsement notice

The text of ISO 6927:2021 has been approved by CEN as EN ISO 6927:2021 without any modification.

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**INTERNATIONAL
STANDARD**

**ISO
6927**

Third edition
2021-03

**Building and civil engineering
sealants — Vocabulary**

Mastics pour le bâtiment et le génie civil — Vocabulaire



Reference number
ISO 6927:2021(E)

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Published in Switzerland

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ISO 6927:2021(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).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 59, *Buildings and civil engineering works*, Subcommittee SC 8, *Sealants*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/SS B02, *Structures*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 6927:2012), which has been technically revised.

The main changes compared to the previous edition are as follows:

- modified the title;
- added important terminology for the property of the sealant to reflect the progress of the sealant technology.

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 — Vocabulary

1 Scope

This document defines technical terms for self-levelling and gun-grade (gunnable) sealants for above-ground exposed structures.

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 11600, *Building construction — Jointing products — Classification and requirements for sealants*

3 Terms and definitions

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

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

3.1 Sealant classification

3.1.1 seal

install the appropriate products in the *joint* (3.2.15) between components in order to prevent the penetration of water, moisture and/or air between the elements, components and assemblies made of the same or dissimilar materials

3.1.2 sealant

text material applied in an unformed state which, once *cured* (3.4.7) or dried, has the adhesive and cohesive properties to *seal* (3.1.1) a *joint* (3.2.15)

3.1.3 elastic sealant

sealant (3.1.2) in which the *stresses* (3.5.8) induced as a result of *joint* (3.2.15) movement are nearly proportional to the *strain* (3.5.7)

Note 1 to entry: The elastic behaviour of the sealant is evaluated by the *elastic recovery* (3.5.10) measurement (see ISO 7389).

3.1.4 plastic sealant

sealant (3.1.2) in which the *stresses* (3.5.8) induced as a result of *joint* (3.2.15) movement are nearly proportional to the rate of joint movement and are rapidly relieved when joint movement ceases

Note 1 to entry: The plastic behaviour of the sealant is evaluated by the *elastic recovery* (3.5.10) measurement (see ISO 7389).

3.1.5 one component sealant

sealant (3.1.2) ready for use not requiring mixing

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