



NSAI
Standards

Irish Standard
I.S. EN ISO 11127-3:2021

Preparation of steel substrates before
application of paints and related products
- Test methods for non-metallic blast-
cleaning abrasives - Part 3: Determination
of apparent density (ISO 11127-3:2021)

I.S. EN ISO 11127-3:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

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Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

I.S. EN ISO 11127-3:2021 is the adopted Irish version of the European Document EN ISO 11127-3:2021, Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 3: Determination of apparent density (ISO 11127-3:2021)

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In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD

EN ISO 11127-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2021

ICS 25.220.10

Supersedes EN ISO 11127-3:2011

English Version

**Preparation of steel substrates before application of paints
and related products - Test methods for non-metallic
blast-cleaning abrasives - Part 3: Determination of
apparent density (ISO 11127-3:2021)**

Préparation des subjectiles d'acier avant application de
peintures et de produits assimilés - Méthodes d'essai
pour abrasifs non métalliques destinés à la préparation
par projection - Partie 3: Détermination de la masse
volumique apparente (ISO 11127-3:2021)

Vorbereitung von Stahloberflächen vor dem Auftragen
von Beschichtungsmitteln - Prüfverfahren für
nichtmetallische Strahlmittel - Teil 3: Bestimmung der
scheinbaren Dichte (ISO 11127-3:2021)

This European Standard was approved by CEN on 9 October 2020.

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, 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 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

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European foreword

This document (EN ISO 11127-3:2021) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes" the secretariat of which is held by DIN.

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 August 2021, and conflicting national standards shall be withdrawn at the latest by August 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 11127-3:2011.

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 11127-3:2020 has been approved by CEN as EN ISO 11127-3:2021 without any modification.

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INTERNATIONAL STANDARD

ISO
11127-3

Third edition
2020-10

Preparation of steel substrates before application of paints and related products — Test methods for non- metallic blast-cleaning abrasives —

Part 3:

Determination of apparent density

*Préparation des subjectiles d'acier avant application de peintures
et de produits assimilés — Méthodes d'essai pour abrasifs non
métalliques destinés à la préparation par projection —*

Partie 3: Détermination de la masse volumique apparente



Reference number
ISO 11127-3:2020(E)

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ISO 11127-3:2020(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 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 35, *Paints and varnishes*, Subcommittee SC 12, *Preparation of steel substrates before application of paints and related products*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and Varnishes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 11127-3:2011), which has been technically revised.

The main changes to the previous edition are as follows:

- in [Clause 7](#) the procedure has been modified by allowing the pycnometer and water to stabilise to room temperature; the temperature of the test is recorded;
- the spelling of pycnometer has been corrected throughout the document;
- [Annex A](#) has been technically and editorially revised.

A list of all parts in the ISO 11127 series can be found on the ISO website.

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.

Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives —

Part 3: Determination of apparent density

1 Scope

This document specifies a method for the determination of the apparent density of non-metallic blast-cleaning abrasives.

This document is a part of the ISO 11127 series dealing with the sampling and testing of non-metallic abrasives for blast-cleaning.

The types of non-metallic abrasive and requirements for each are contained in the ISO 11126 series.

The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in [Annex A](#).

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 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 11127-1, *Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 1: Sampling*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

apparent density

mass of a given volume of non-metallic abrasive, as determined by the pycnometer method

Note 1 to entry: The pycnometer method is described in this document.

4 Reagent

Distilled or deionized water, of at least grade 3 purity as defined in ISO 3696.

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