



NSAI
Standards

Irish Standard
I.S. EN ISO 11124-5:2021

Preparation of steel substrates before
application of paints and related products
- Specifications for metallic blast-cleaning
abrasives - Part 5: Cut steel wire (ISO
11124-5:2019)

I.S. EN ISO 11124-5:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN ISO 11124-5:2021 is the adopted Irish version of the European Document EN ISO 11124-5:2021, Preparation of steel substrates before application of paints and related products - Specifications for metallic blast-cleaning abrasives - Part 5: Cut steel wire (ISO 11124-5:2019)

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 11124-5

April 2021

ICS 25.220.10

English Version

**Preparation of steel substrates before application of paints
and related products - Specifications for metallic blast-
cleaning abrasives - Part 5: Cut steel wire (ISO 11124-
5:2019)**

Préparation des subjectiles d'acier avant application de
peintures et de produits assimilés - Spécifications pour
préparation par projection d'abrasifs métalliques -
Partie 5: Fils d'acier coupés (ISO 11124-5:2019)

Vorbereitung von Stahloberflächen vor dem Auftragen
von Beschichtungsstoffen - Anforderungen an
metallische Strahlmittel - Teil 5: Stahldrahtschrot (ISO
11124-5:2019)

This European Standard was approved by CEN on 5 April 2021.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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

EN ISO 11124-5:2021 (E)

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European foreword

The text of ISO 11124-5:2019 has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 11124-5:2021 by 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of an identical text or by endorsement, at the latest by October 2021, and conflicting national standards shall be withdrawn at the latest by October 2021.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.

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Endorsement notice

The text of ISO 11124-5:2019 has been approved by CEN as EN ISO 11124-5:2021 without any modification.

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INTERNATIONAL STANDARD

ISO
11124-5

First edition
2019-06

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

Part 5: Cut steel wire

*Préparation des subjectiles d'acier avant application de peintures
et de produits assimilés — Spécifications pour préparation par
projection d'abrasifs métalliques —*

Partie 5: Fils d'acier coupés



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ISO 11124-5:2019(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 35, *Paints and varnishes*, Subcommittee SC 12, *Preparation of steel substrates before application of paints and related products*.

A list of all parts in the ISO 11124 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 — Specifications for metallic blast-cleaning abrasives —

Part 5: Cut steel wire

1 Scope

This document specifies requirements for 13 grades of cut steel wire abrasives, as supplied for blast-cleaning processes. It specifies ranges of particle sizes, together with corresponding grade designations. Values are specified for hardness, density, defect/structural requirements, metallographic structure and chemical composition.

This document is suitable for cut steel wire supplied for blast-cleaning processes which is made by cutting new cold drawn wire.

The requirements specified in this document apply to abrasives manufactured from virgin wire supplied in the new and unconditioned state only. They do not apply to abrasives either during or after use.

NOTE 1 Information on commonly referenced national standards for cut steel wire abrasives and their approximate relationship with ISO 11124 is given in [Annex A](#).

NOTE 2 Although this document has been developed specifically to meet requirements for preparation of steelwork, the properties specified will generally be appropriate for use when preparing other material surfaces, or components, using blast-cleaning techniques.

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 439, *Steel and iron — Determination of total silicon content — Gravimetric method*

ISO 629, *Steel and cast iron — Determination of manganese content — Spectrophotometric method*

ISO 4935, *Steel and iron — Determination of sulfur content — Infrared absorption method after combustion in an induction furnace*

ISO 9556, *Steel and iron — Determination of total carbon content — Infrared absorption method after combustion in an induction furnace*

ISO 10714, *Steel and iron — Determination of phosphorus content — Phosphovanadomolybdate spectrophotometric method*

ISO 11125-1, *Preparation of steel substrates before application of paints and related products — Test methods for metallic blast-cleaning abrasives — Part 1: Sampling*

ISO 11125-3, *Preparation of steel substrates before application of paints and related products — Test methods for metallic blast-cleaning abrasives — Part 3: Determination of hardness*

ISO 11125-4, *Preparation of steel substrates before application of paints and related products — Test methods for metallic blast-cleaning abrasives — Part 4: Determination of apparent density*

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