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

**Part 5:  
Determination of percentage defective  
particles and of microstructure**

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

*Partie 5: Détermination du pourcentage de particules défectueuses et  
de la microstructure*





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ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

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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.

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](http://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](http://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 on 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 the following URL: [www.iso.org/iso/foreword.html](http://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*.

This second edition cancels and replaces the first edition (ISO 11125-5:1993), which has been technically revised.

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

— [Annex A](#) has been technically revised.

A list of all parts in the ISO 11125 series can be found on the ISO website.

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

## Part 5: Determination of percentage defective particles and of microstructure

### 1 Scope

This document specifies test methods for the determination of the percentage of defective particles and of the microstructure of metallic blast-cleaning abrasives.

This is one of a number of parts of ISO 11125 dealing with the sampling and testing of metallic abrasives for blast-cleaning.

The types of metallic abrasive and requirements on each are contained in the various parts of ISO 11124.

The ISO 11124 and ISO 11125 series have been drafted as a coherent set of International Standards on metallic blast-cleaning abrasives. Information on all parts of both series is given in [Annex A](#).

### 2 Normative references

There are no normative references in this document.

### 3 Terms and definitions

No terms and definitions are listed in this document.

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/>

### 4 Apparatus

Ordinary laboratory apparatus and glassware, together with the following:

- 4.1 Metallurgical microscope**, having a magnification of up to  $\times 500$ .
- 4.2 Binocular microscope**, having a magnification of up to  $\times 50$ .

### 5 Sampling

Take a representative sample of the product to be tested, as described in ISO 11125-1.