INTERNATIONAL STANDARD

ISO 11126-1

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

Part 1:
General introduction and classification

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

Partie 1: Introduction générale et classification

Reference number
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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11126-1 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*.

ISO 11126 consists of the following parts, under the general title *Preparation of steel substrates before application of paints and related products — Specifications for non-metallic blast-cleaning abrasives*:

— *Part 1: General introduction and classification*

— *Part 2: Silica sand*

— *Part 3: Copper refinery slag*

— *Part 4: Coal furnace slag*

— *Part 5: Nickel refinery slag*

— *Part 6: Iron furnace slag*

— *Part 7: Fused aluminium oxide*

— *Part 8: Olivine sand*

— *Part 9: Staurolite*

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— *Part 10: Garnet*

At the time of publication of this part of ISO 11126, parts 2, 7, 9 and 10 were in course of preparation.

Annex A of this part of ISO 11126 is for information only.

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Introduction

This is one of a number of parts of ISO 11126 specifying requirements for non-metallic abrasives for blast-cleaning.

Test methods for non-metallic blast-cleaning abrasives are given in the various parts of ISO 11127 (see annex A).

The requirements for metallic abrasives commonly used for blast-cleaning are specified in the various parts of ISO 11124. Test methods to be used to define these requirements are contained in the various parts of ISO 11125 (see annex A).

Abrasive blast-cleaning techniques are widely used to clean and prepare surfaces. During work on development of a series of International Standards dealing with the preparation of steel substrates before application of paints and related products, it was decided that a need existed for a series of International Standards covering those blast-cleaning abrasives commonly used in preparation of steelwork.

The type of blast-cleaning abrasive used and its particle shape can significantly affect the surface appearance and profile form of the treated surface.

The informative supplement to ISO 8501-1[1)] provides photographic examples of the change in appearance imparted to steel when blast-cleaned with different abrasive types.

ISO 8503-2[2)] describes the assessment of the surface roughness of prepared surfaces using comparators. Table 1 of this part of ISO 11126 identifies the type of comparator to be used with each of the blast-cleaning abrasives considered.

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1) ISO 8501-1:1988/Suppl, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings — Informative supplement to Part 1: Representative photographic examples of the change of appearance imparted to steel when blast-cleaned with different abrasives.* (To be published.)

2) ISO 8503-2:1988, *Preparation of steel substrates before application of paints and related products — Surface roughness characteristics of blast-cleaned steel substrates — Part 2: Method for the grading of surface profile of abrasive blast-cleaned steel — Comparator procedure.*

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