



**ISO 11126-1**

**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 des abrasifs non  
métalliques destinés au décapage par projection —*

*Partie 1: Introduction générale et classification*

**Third edition  
2025-07**

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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 11126-1:2018), which has been technically revised.

The main changes are as follows:

- [Table 1](#), [Table 2](#) have been technically revised to incorporate new abrasives;
- Annex A has been removed.

A list of all parts in the ISO 11126 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](http://www.iso.org/members.html).

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

Test methods for non-metallic blast-cleaning abrasives are given in the various parts of the ISO 11127 series

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

Abrasive blast-cleaning techniques are widely used to clean and prepare surfaces (see ISO 8504-2). During the development of a series of International Standards dealing with the preparation of steel substrates before application of paints and related products, it was decided there was a need 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.

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