
Priprava jeklenih podlag pred nanašanjem barv in sorodnih premazov - Preskusne metode za kovinske granulate za peskanje - 9. del: Preskušanje obrabe in lastnosti (ISO 11125-9:2021)

Preparation of steel substrates before application of paints and related products - Test methods for metallic blast-cleaning abrasives - Part 9: Wear testing and performance (ISO 11125-9:2021)

Vorbereitung von Stahloberflächen vor dem Auftragen von Beschichtungsstoffen - Prüfverfahren für metallische Strahlmittel - Teil 9: Verschleißprüfung und Leistungsfähigkeit (ISO 11125-9:2021)

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 9: Titre manque (ISO 11125-9:2021)

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Preparation of steel substrates before application of paints
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(ISO 11125-9:2021)

Préparation des subjectiles d'acier avant application de
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metallische Strahlmittel - Teil 9: Verschleißprüfung
und Leistungsfähigkeit (ISO 11125-9:2021)

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The text of ISO 11125-9:2021 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 11125-9:2022 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of an identical text or by endorsement, at the latest by December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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INTERNATIONAL
STANDARD

ISO
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First edition
2021-08

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

Part 9:
Wear testing and performance

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Foreword

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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*.

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

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Introduction

This document is a part of the ISO 11125 series that specifies test methods for metallic blast-cleaning abrasives.

During blast-cleaning, metallic abrasives are subjected to repeated impacts on the substrate to be prepared. These mechanical impacts result in abrasive material fatigue until particles breakdown.

The service life of the metallic blast-cleaning abrasives is influenced by:

- the type of abrasive, in particular, its size and shape, its resilience, its hardness and its internal defects;
- the hardness and the surface conditions of the substrate to be prepared;
- the blasting machine and its settings.

The principle of an abrasive service life testing machine is based on a high number of impacts between a representative sample of the abrasive to be tested and a given target.

Several testing machines exist on the market and depending on their design, the service life obtained under laboratory conditions may or may not be comparable to field operation.

It is important that the user is aware of the different parameters and the respective adjustability. The parameters of the testing machines can vary from one machine to another and therefore can result in different test results.

In general, the effect of wear and consumption are tested. Special arrangements may be required for specific test procedures. The results can be used for comparison purposes (quality inspection) or for monitoring (quality control) of the deliveries for uniformity.

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