

**Teraspindade ettevalmistamine enne
värvide ja samalaadsete toodete
pealekandmist. Mittemetalliliste
jugapuhastuse abrasiivide tehnilised
andmed. Osa 7: Sulatatud alumiiniumoksiid**

Preparation of steel substrates before application of
paints and related products - Specification for non-
metallic blast-cleaning abrasives - Part 7: Fused
aluminium oxide

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 11126-7:2000 sisaldab Euroopa standardi EN ISO 11126-7:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 11126-7:2000 consists of the English text of the European standard EN ISO 11126-7:1999.</p> <p>This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This part of ISO 11126 specifies requirements for fused aluminium oxide abrasives, as supplied for blast-cleaning processes. It specifies ranges of particle sizes and values for apparent density, bulk density, Mohs hardness, moisture content, conductivity of aqueous extract and water-soluble chlorides.</p>	<p>Scope:</p> <p>This part of ISO 11126 specifies requirements for fused aluminium oxide abrasives, as supplied for blast-cleaning processes. It specifies ranges of particle sizes and values for apparent density, bulk density, Mohs hardness, moisture content, conductivity of aqueous extract and water-soluble chlorides.</p>
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ICS 25.220.10

Võtmesõnad: abrasives, aluminium oxide, blast-cleaning, non-metallic abrasives, paints, specifications, steel products, substrates, varnishes

English version

Preparation of steel substrates before application of paints and related products

Specifications for non-metallic blast-cleaning abrasives

Part 7: Fused aluminium oxide

(ISO 11126-7 : 1995, including Technical Corrigendum 1 : 1999)

Préparation des subjectiles d'acier avant application de peintures et de produits assimilés – Spécifications pour abrasifs métalliques destinés à la préparation par projection – Partie 7: Oxyde d'aluminium fondu (ISO 11126-7 : 1995, Rectificatif technique 1 : 1999 inclus)

Vorbereitung von Stahloberflächen vor dem Auftragen von Beschichtungsstoffen – Anforderungen an nichtmetallische Strahlmittel – Teil 7: Elektrokorund (ISO 11126-7 : 1995, einschließlich Technischer Berichtigung 1 : 1999)

This European Standard was approved by CEN on 1999-04-18.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

International Standard

ISO 11126-7 : 1995 Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 7: Fused aluminium oxide, which was prepared by ISO/TC 35 'Paints and varnishes' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 139 'Paints and varnishes', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by September 1998 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11126-7 : 1995 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

WARNING — Equipment, materials and abrasives used for surface preparation can be hazardous if used carelessly. Many national regulations exist for those materials and abrasives that are considered to be hazardous during or after use (waste management), such as free silica or carcinogenic or toxic substances. These regulations are therefore to be observed. It is important to ensure that adequate instructions are given and that all required precautions are exercised

1 Scope

This part of ISO 11126 specifies requirements for fused aluminium oxide abrasives, as supplied for blast-cleaning processes. It specifies ranges of particle sizes and values for apparent density, Mohs hardness, moisture content, conductivity of aqueous extract and water-soluble chlorides.

The requirements specified in this part of ISO 11126 apply to abrasives supplied in the "new" condition only. They do not apply to abrasives either during or after use.

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

NOTES

1 Information on commonly referenced national and international standards is given in annex A.

2 Although this part of ISO 11126 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. These techniques are described in ISO 8504-2:1992, *Preparation of steel substrates before application of paints and related products — Surface preparation methods — Part 2: Abrasive blast-cleaning*.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 11126. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 11126 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 11127-1:1993, *Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 1: Sampling*.

ISO 11127-2:1993, *Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 2: Determination of particle size distribution*.

ISO 11127-3:1993, *Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 3: Determination of apparent density*.

ISO 11127-4:1993, *Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives*.

— Part 4: Assessment of hardness by a glass slide test.

ISO 11127-5:1993, *Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 5: Determination of moisture.*

ISO 11127-6:1993, *Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 6: Determination of water-soluble contaminants by conductivity measurement.*

ISO 11127-7:1993, *Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 7: Determination of water-soluble chlorides.*

3 Definition

For the purposes of this part of ISO 11126, the following definition applies.

3.1 fused aluminium oxide: A synthetic mineral blast-cleaning abrasive, which is classified as two types, A and WA.

Type A: This type is mainly composed of crystalline corundum which is brown in colour and consists of a solid solution containing a minimum of 94 % aluminium oxide and a maximum of 4 % titanium dioxide. Type A is produced by fusing bauxite with the appropriate quantity of titanium dioxide and reducing agent in an electric furnace, cooling the form lumps and then crushing and sieving to size.

Type WA: This type consists of crystalline corundum which is whitish in colour and contains at least 99 % aluminium oxide. It is produced by fusing, in an electric furnace, pure alumina and is refined.

4 Designation of abrasives

Fused aluminium oxide abrasives shall be identified by "Abrasive ISO 11126" and the abbreviation N/FA-A or N/FA-WA indicating non-metallic, fused aluminium oxide abrasive, Type A or WA. This shall be followed, without spaces, by an oblique stroke and then the symbol G to indicate the required particle shape of the abrasive, when purchased, as grit.

The designation shall be completed by numbers denoting the particle size range, in millimetres, required (see table 1).

EXAMPLE 1

Abrasive ISO 11126 N/FA-A/G 0,5-1

denotes a non-metallic abrasive of fused aluminium oxide, type A, complying with the requirements of this part of ISO 11126, of initial particle shape grit and particle size range 0,5 mm to 1 mm.

It is essential that this full product designation is quoted on all orders.

5 Sampling

Sampling procedures shall be as specified in ISO 11127-1.

6 Requirements

6.1 General requirements

Fused aluminium oxide abrasives shall absorb no water but may be wetted on the surface only.

Fused aluminium oxide used as an abrasive shall contain no free silica. All silica shall be chemically bound or present in glass form within the corundum crystal matrix.

The material shall be free from corrosive and adhesion-impairing contaminants.

6.2 Particular requirements

Particular requirements for fused aluminium oxide abrasive shall be as specified in table 2.

7 Identification and marking

All materials shall be clearly marked or identified using the appropriate designation as specified in clause 4, either directly or by the accompanying delivery note.

8 Information to be supplied by the manufacturer or supplier

The manufacturer or supplier shall supply, if requested, a test report detailing results for any relevant property as determined by the appropriate method specified in table 2.