

SLOVENSKI STANDARD SIST EN ISO 1927-7:2013

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SIST EN 1402-7:2004

Neoblikovani ognjevzdržni izdelki - 7. del: Preskusi predhodno izdelanih oblikovancev (ISO 1927-7:2012)

Unshaped refractory materials - Part 7: Tests on pre-formed shapes (ISO 1927-7:2012)

Ungeformte feuerfeste Erzeugnisse - Teil 7: Prüfungen an Fertigteilen (ISO 1927-7:2012)

Produits réfractaires non façonnes Partie 7. Essais sur pièces pré-formées (ISO 1927-7:2012)

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ICS:

81.080 Ognjevzdržni materiali Refractories

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EN ISO 1927-7

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 1402-7:2003

English Version

Monolithic (unshaped) refractory products - Part 7: Tests on preformed shapes (ISO 1927-7:2012)

Produits réfractaires monolithiques (non façonnés) - Partie 7: Essais sur pièces pré-formées (ISO 1927-7:2012)

Ungeformte (monolithische) feuerfeste Erzeugnisse - Teil 7: Prüfungen an Fertigteilen (ISO 1927-7:2012)

This European Standard was approved by CEN on 30 November 2012.

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This European Standard exists 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 CEN-CENELEC Management Centre has the same status as the official versions. The STANDARD PREVIEW

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 1927-7:2012 (E)

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EN ISO 1927-7:2012 (E)

Foreword

This document (EN ISO 1927-7:2012) has been prepared by Technical Committee ISO/TC 33 "Refractories" in collaboration with Technical Committee CEN/TC 187 "Refractory products and materials" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by June 2013, and conflicting national standards shall be withdrawn at the latest by June 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1402-7:2003.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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(stan Endorsement Plotice)

The text of ISO 1927-7:2012 has been approved by CEN as a EN ISO 1927-7:2012 without any modification.

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INTERNATIONAL STANDARD

ISO 1927-7

First edition 2012-12-01

Monolithic (unshaped) refractory products —

Part 7: **Tests on pre-formed shapes**

Produits réfractaires monolithiques (non façonnés) —

iTeh STPartie 7: Essais sur pièces pré-formées (standards.iteh.ai)



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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ISO 1927-7 was prepared by Technical Committee ISO/TC 33, Refractories.

ISO 1927 consists of the following parts, under the general title *Monolithic (unshaped) refractory products*:

- Part 1: Introduction and classification TANDARD PREVIEW
- Part 2: Sampling for testing

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- Part 3: Characterization as received
- Part 4: Determination of consistency of castables ISO 1927-7:2013

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- Part 5: Preparation and treatment of test pieces/sist-en-iso-1927-7-2013
- Part 6: Measurement of physical properties
- Part 7: Tests on pre-formed shapes
- Part 8: Determination of complementary properties

Monolithic (unshaped) refractory products —

Part 7:

Tests on pre-formed shapes

1 Scope

This part of ISO 1927 specifies methods for the testing of as-delivered pre-formed shapes. It applies to shapes fabricated from dense and insulating castables and ramming materials as defined in ISO 1927-1.

NOTE Acceptance values for the individual test methods described should be agreed between the parties involved.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1927-1, Monolithic (unshaped) refractory products – Part 1 Introduction and classification

ISO 1927-6, Monolithic (unshaped) refractory products Part 6: Measurement of physical properties

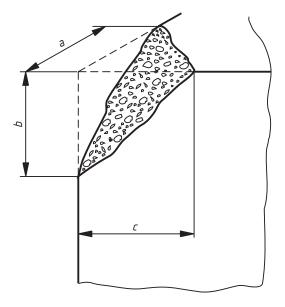
3 Terms and definitions SIST EN ISO 1927-7:2013 SIST E

For the purposes of this document, the following terms and definitions apply.

3.1

corner defect

missing corner, defined by the three dimensions a, b and c as indicated in Figure 1



Key

3.2

a, *b* and *c*

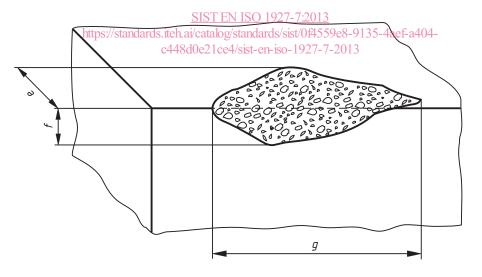
Three dimensions defining the missing corner

Figure 1 — Typical corner defect

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edge defect

edge defect missing edge, defined by the three dimensions, e, f, and g as indicated in Figure 2



Key

e, f,and g

Three dimensions defining the missing edge

Figure 2 — Typical edge defect

3.3

clearly defined hole in the surface of a shape whose parameters, i.e. maximum diameter, minimum diameter and depth, can be measured

NOTE Its origin can be a bubble produced during manufacture.