Monolithic (unshaped) refractory products - Part 8: Determination of complementary properties (ISO 1927-8:2012)

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 1927-8:2012 sisaldab Euroopa standardi EN ISO 1927-8:2012 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 1927-8:2012 consists of the English text of the European standard EN ISO 1927-8:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 01.12.2012.	Date of Availability of the European standard is 01.12.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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English Version

Monolithic (unshaped) refractory products - Part 8: Determination of complementary properties (ISO 1927-8:2012)

Produits réfractaires monolithiques (non façonnés) - Partie 8: Détermination des caractéristiques complémentaires (ISO 1927-8:2012)

Ungeformte (monolithische) feuerfeste Erzeugnisse - Teil 8: Bestimmung zusätzlicher Eigenschaften (ISO 1927-8:2012)

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.

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

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Foreword

This document (EN ISO 1927-8:2012) 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.

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Endorsement notice

The text of ISO 1927-8:2012 has been approved by CEN as a EN ISO 1927-8:2012 without any modification.

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1 Scope

This part of ISO 1927 specifies methods for the determination of the properties of unshaped refractory materials from test pieces prepared and stored in accordance with ISO 1927-5. The methods complement those described in ISO 1927-6.

The methods have been adapted from standards for shaped refractory products to make them applicable to dense and insulating castables, and ramming materials as defined in ISO 1927-1, before and after firing.

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 8841, *Dense, shaped refractory products — Determination of permeability to gases*

ISO 1927-1, *Monolithic (unshaped) refractory products — Part 1: Introduction and classification*

ISO 1927-2, *Monolithic (unshaped) refractory products — Part 2: Sampling for testing*

ISO 1927-3, *Monolithic (unshaped) refractory products — Part 3: Characterization as received*

ISO 1927-5, *Monolithic (unshaped) refractory products — Part 5: Preparation and treatment of test pieces*

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

ISO 8894-1, *Refractory materials — Determination of thermal conductivity — Part 1: Hot-wire methods (cross-array and resistance thermometer)*

ISO 8894-2, *Refractory materials — Determination of thermal conductivity — Part 2: Hot-wire method (parallel)*

ISO 8890, *Dense shaped refractory products — Determination of resistance to sulfuric acid*

ISO 10060, *Dense, shaped refractory products — Test methods for products containing carbon*

ISO 12676, *Refractory products — Determination of resistance to carbon monoxide*

ISO 16282, *Methods of test for dense shaped refractory products — Determination of resistance to abrasion at ambient temperature*

EN 993-11:2007, *Methods of test for dense shaped refractory products — Part 11: Determination of resistance to thermal shock*

3 Principle

The complementary properties of unshaped refractory products are determined by the procedures given in ISO 8890, ISO 8841, ISO 8894-1, ISO 8894-2, ISO 10060, ISO 16282, ISO 1927-1, ISO 1927-2, ISO 1927-3, ISO 1927-5, ISO 1927-6, ISO 12676 and EN 993-11.