

**Monolithic (unshaped) refractory products - Part 6:
Measurement of physical properties (ISO 1927-6:2012)**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 1927-6:2012 sisaldab Euroopa standardi EN ISO 1927-6:2012 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 1927-6:2012 consists of the English text of the European standard EN ISO 1927-6:2012.
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.
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English Version

Monolithic (unshaped) refractory products - Part 6:
Measurement of physical properties (ISO 1927-6:2012)

Produits réfractaires monolithiques (non façonnés) - Partie
6: Détermination des propriétés physiques (ISO 1927-
6:2012)

Ungeformte (monolithische) feuerfeste Erzeugnisse - Teil 6:
Bestimmung der physikalischen Eigenschaften (ISO 1927-
6:2012)

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

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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 1927-6:2012) 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of an identical text or by endorsement, at the latest by June 2013, and conflicting national standards shall be withdrawn at the latest by June 2013.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 1927-6:2012 has been approved by CEN as a EN ISO 1927-6:2012 without any modification.

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Monolithic (unshaped) refractory products —

Part 6: Measurement of physical properties

1 Scope

This part of ISO 1927 specifies methods for the determination of properties of unshaped materials from test pieces prepared and stored according to ISO 1927-5.

The methods are applicable to dense and insulating castables and to ramming materials (including plastics) 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 1893, *Refractory products — Determination of refractoriness under load — Differential method with rising temperature*

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

ISO 3187 *Refractory products — Determination of creep in compression*

ISO 5013 *Refractory products — Determination of modulus of rupture at elevated temperatures*

ISO 5014: *Dense and insulating shaped refractory products — Determination of modulus of rupture at ambient temperature*

ISO 5017, *Dense shaped refractory products — Determination of bulk density, apparent porosity and true porosity*

ISO 5018, *Refractory materials — Determination of true density*

ISO 8895, *Shaped insulating refractory products — Determination of cold crushing strength*

ISO 10059-1, *Dense, shaped refractory products — Determination of cold compressive strength — Part 1: Referee test without packing*

ISO 10059-2, *Dense, shaped refractory products — Determination of cold compressive strength — Part 2: Test with packing*

3 Determination of geometric bulk density

3.1 Principle

This determination is carried out according to a geometric method. It can be applied to green, dried or fired test pieces. The condition of the test pieces shall be stated in the test report.