

**Classification of dense shaped refractory products - Part
4: Special products (ISO 10081-4:2014)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 10081-4:2014 sisaldab Euroopa standardi EN ISO 10081-4:2014 inglisekeelset teksti.	This Estonian standard EVS-EN ISO 10081-4:2014 consists of the English text of the European standard EN ISO 10081-4:2014.
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.
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English Version

**Classification of dense shaped refractory products - Part 4:
Special products (ISO 10081-4:2014)**

Classification des produits réfractaires façonnés denses -
Partie 4: Produits spéciaux (ISO 10081-4:2014)

Klassifizierung dichter geformter feuerfester Erzeugnisse -
Teil 4: Sondererzeugnisse (ISO 10081-4:2014)

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Foreword

This document (EN ISO 10081-4:2014) 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of an identical text or by endorsement, at the latest by March 2015, and conflicting national standards shall be withdrawn at the latest by March 2015.

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Endorsement notice

The text of ISO 10081-4:2014 has been approved by CEN as EN ISO 10081-4:2014 without any modification.

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Classification of dense shaped refractory products —

Part 4: Special products

1 Scope

This part of ISO 10081 specifies the classification and designation of dense shaped refractory products of special composition including

- a) oxide products,
- b) oxide and non-oxide products,
- c) non-oxide silicon carbide or carbon-based products, and
- d) further special products which are only designated but not classified, for example, non-oxide products, such as boride, nitride or further combinations of the series listed above.

2 Principle

Dense shaped special products shall be classified according to the following six criteria:

- a) the type of product;
- b) the group determined by the content of its main chemical component(s);
- c) the principal raw material(s);
- d) the state of the raw materials;
- e) the nature of the bond;
- f) any post-treatment.

3 Classification

3.1 Type of product

The following types of dense shaped refractory special products shall be classified by chemical analysis as shown in [3.2](#).

- a) alumina-chromia (ACr);
- b) chromia (Cr);
- c) alumina-chromia-zirconia (ACrZ);
- d) alumina-chromia-zirconia-silica (ACrZS);
- e) zirconia-silica (ZS);
- f) alumina-zirconia-silica (AZS);
- g) alumina-carbon (AC);