SLOVENSKI STANDARD
SIST EN ISO 10081-3:2005

01-julij-2005

Nadomeģ a:
SIST EN 12475-3:1998

Razvrstitev gostih oblikovanih ognjevzdrģnih izdelkov - 3. del: Baziļ ni proizvodi z od 7 % do 50 % preostalega ogljika (ISO 10081-3:2003)

Classification of dense shaped refractory products - Part 3: Basic products containing from 7% to 50% residual carbon (ISO 10081-3:2003)

Klassifizierung dichter geformter feuerfester Erzeugnisse - Teil 3: Basische Erzeugnisse mit einem Massenanteil an Restkohlenstoff von 7 % bis 50 % (ISO 10081-3:2003)

Classification des produits réfractaires façonnés denses - Partie 3: Produits basiques contenant de 7 % a 50 % de carbone résiduel (ISO 10081-3:2003)

Ta slovenski standard je istoveten z: **EN ISO 10081-3:2005**

ICS:

81.080	Ognjevzdržni materiali	Refractories

SIST EN ISO 10081-3:2005 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10081-3

March 2005

ICS 81.080

Supersedes EN 12475-3:1998

English version

Classification of dense shaped refractory products - Part 3: Basic products containing from 7% to 50% residual carbon (ISO 10081-3:2003)

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This European Standard was approved by CEN on 7 February 2005.

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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 Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

The text of ISO 10081-3:2003 has been prepared by Technical Committee ISO/TC 33 "Refractories" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 10081-3:2005 by 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of an identical text or by endorsement, at the latest by September 2005, and conflicting national standards shall be withdrawn at the latest by September 2005.

This document supersedes EN 12475-3:1998.

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

Endorsement notice

The text of ISO 10081-3:2003 has been approved by CEN as EN ISO 10081-3:2005 without any modifications.

INTERNATIONAL STANDARD

ISO 10081-3

First edition
2003-12-01

Classification of dense shaped refractory products —

Part 3: Basic products containing from 7 % to 50 % residual carbon

Classification des produits réfractaires façonnés denses —

Partie 3: Produits basiques contenant de 7 % à 50 % de carbone résiduel

Reference number
ISO 10081-3:2003(E)

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Published in Switzerland

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.

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

ISO 10081-3 was prepared by Technical Committee ISO/TC 33, *Refractories*.

The various parts of this revised series of ISO 10081 will cancel and replace ISO 1109:1975. Part 1 is a partial revision of ISO 1109:1975, Part 2 cancels and replaces ISO 10081-1:1991, and Part 3 is new.

ISO 10081 consists of the following parts, under the general title *Classification of dense shaped refractory products*:

— *Part 1: Alumina-silica*

— *Part 2: Basic products containing less than 7 % residual carbon*

— *Part 3: Basic products containing from 7 % to 50 % residual carbon*

Part 4 is under preparation and is intended to cover special products as given in Clause 2 of ISO 1109:1975.

Classification of dense shaped refractory products —

Part 3:
Basic products containing from 7 % to 50 % residual carbon

1 Scope

This part of ISO 10081 specifies the classification and designation of dense shaped basic refractory products containing 7 % or more but less than 50 % residual carbon after coking. It is applicable to products with or without antioxidant additives, with or without metal plates and reinforcement.

NOTE 1 ISO 10081-2 covers the classification of dense shaped basic products containing less than 7 % residual carbon.

NOTE 2 All bricks can be encased in metal plate and can be reinforced by means of an internal metal plate and/or mixed metal fibre.

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 10058, *Magnesites and dolomites — Chemical analysis*

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

ISO 12677, *Chemical analysis of refractory products by XRF — Fused cast bead method*

3 Classification

3.1 Basis of classification

Dense shaped basic products containing 7 % or more but less than 50 % residual carbon after coking shall be classified according to the following five criteria:

a) the type of product;

b) the group determined by its magnesia and carbon content as well as the presence of antioxidant additives;

c) the state of the raw materials;

d) the nature of the bond;

e) any post-treatment.

3.2 Type of product

The types of dense shaped refractory products of the basic series included in this classification are

a) magnesia carbon (MC),

b) magnesia lime carbon (MLC) (containing lime and/or synthetic MgO-CaO co-clinker),