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Põhitooted, mis sisaldavad jääksüsinikku alla 7%**

Classification of dense shaped refractory products - Part 2:  
Basic products containing less than 7 % residual carbon

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12475-2:2000 sisaldab Euroopa standardi EN 12475-2:1998 ingliskeelset teksti.

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Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 12475-2:2000 consists of the English text of the European standard EN 12475-2:1998.

This standard is ratified with the order of Estonian Centre for Standardisation dated 11.01.2000 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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ICS

Descriptors: refractory materials, shaped refractories, dense shaped refractory products, nomenclature, classifications, designation, raw materials, magnesite refractories, dolomite: minerals, lime, chromite refractories

English version

Classification of dense shaped refractory products - Part 2:  
Basic products containing less than 7% residual carbon

Classification des produits réfractaires façonnés denses -  
Partie 2: Produits basiques contenant moins de 7% de  
carbone résiduel

Klassifizierung dichter geformter feuerfester Erzeugnisse -  
Teil 2: Basische Erzeugnisse mit einem Massenanteil an  
Restkohlenstoff kleiner als 7%

This European Standard was approved by CEN on 18 January 1998.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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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## Foreword

This European Standard has been prepared 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 month of August 1998, and conflicting national standards shall be withdrawn at the latest by month of August 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

EN 12475 Classification of dense shaped refractory products consists of four Parts:

Part 1 : Alumina-silica products

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

Part 3 : Basic products containing from 7 % to 30 % residual carbon

Part 4 : Special products

## 1 Scope

This part of EN 12475 specifies the classification and designation of dense shaped basic refractory products with or without antioxidant additives. Products containing equal to or more than 7 % residual carbon after coking are excluded from this classification. The classification is applicable to dense shaped products with or without metal plates and reinforcement.

NOTE 1 : EN 12475-3 covers the classification of dense shaped basic products containing from 7% to 30 % residual carbon.

NOTE 2 : All bricks can be encased in metal plate and all unfired bricks can be reinforced by means of an internal metal plate.

## 2 Normative references

This European standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

|                |                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------|
| EN ISO 10058 : | Magnesites and dolomites - Chemical analysis                                                  |
| prEN 955-3 :   | Chemical analysis of refractory products - Part 3: Chrome bearing materials                   |
| prEN 955-5 :   | Chemical analysis of refractory products - Part 5: XRF analysis by the fused cast bead method |

## 3 Classification

### 3.1 Basis of classification

Dense shaped basic products containing less than 7 % carbon shall be classified according to the following five criteria:

- a) the type of product;
- b) the group determined principally by its magnesia content;
- c) the state of the raw materials;
- d) the nature of the bond;
- e) any post treatment.