

**Tihedate tulekindlate profiiltoodete liigitus. Osa 1:
Alumiiniumi ja räni sisaldavad tooted**

Classification of dense shaped refractory products - Part 1:
Alumina-silica products

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12475-1:2000 sisaldab Euroopa standardi EN 12475-1:1998 ingliskeelset teksti.

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ICS

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English version

Classification of dense shaped refractory products - Part 1:
Alumina-silica products

Classification des produits réfractaires façonnés denses -
Partie 1: Produits de la série silice-alumine

Klassifizierung dichter geformter feuerfester Erzeugnisse -
Teil 1: Alumina-Silika-Erzeugnisse

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

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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of an identical text or by endorsement, at the latest by August 1998, and conflicting national standards shall be withdrawn at the latest by August 1998.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 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 refractory products of the alumina-silica series, with the following exceptions:

- a) products containing more than 5 % of any metallic oxide other than alumina, silica or iron oxide.
- b) products containing more than 1 % carbon, carbides, nitrides, oxynitrides or any associated materials.

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 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 955-2 : Chemical analysis of refractory products - Part 2: Products containing silica and/or alumina (wet methods)
- 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 refractory products of the alumina-silica series shall be classified according to the following five criteria:

- a) the type of product;
- b) the group determined by its alumina and/or silica contents;
- c) the principal raw material(s);
- d) the state of the raw materials;
- e) the nature of the bond (including any post treatment).