

## **Unshaped refractory products - Part 7: Tests on pre-formed shapes**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1402-7:2004 sisaldab Euroopa standardi EN 1402-7:2003/AC:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 28.01.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1402-7:2004 consists of the English text of the European standard EN 1402-7:2003/AC:2003.</p> <p>This document is endorsed on 28.01.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This European Standard specifies methods for the testing of as-delivered pre-formed shapes. It applies to shapes fabricated from dense and insulating castables and ramming materials as defined in EN 1402-1.</p>	<p><b>Scope:</b></p> <p>This European Standard specifies methods for the testing of as-delivered pre-formed shapes. It applies to shapes fabricated from dense and insulating castables and ramming materials as defined in EN 1402-1.</p>
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**ICS** 81.080

**Võtmesõnad:**

English version

## Unshaped refractory materials - Part 7: Tests on pre-formed shapes

Produits et matériaux réfractaires - Partie 7: Essais sur  
pièces pré-formées

Ungeformte feuerfeste Erzeugnisse - Teil 7: Prüfungen an  
Fertigteilen

This European Standard was approved by CEN on 20 June 2003.

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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 Management Centre has the same status as the official versions.

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## Contents

	page
Foreword .....	3
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions .....	4
4 Principle .....	7
5 Apparatus .....	7
6 Inspection by attributes .....	9
6.1 Preparation of the test piece .....	9
6.2 Measurement of dimensions .....	9
6.3 Measurement of angles .....	10
6.4 Measurement of warpage .....	10
6.5 Measurement of corner defects .....	11
6.6 Measurement of edge defects .....	12
6.7 Measurement of craters and bubbles .....	13
6.8 Measurement of cracks .....	14
6.9 Measurement of protrusions and indentations .....	15
6.10 Measurement of fins .....	15
6.11 Segregations .....	15
6.12 Friability .....	15
7 Inspection by variables .....	16
7.1 Destructive test methods .....	16
7.1.1 General .....	16
7.1.2 Physical properties .....	16
7.1.3 Moisture content (see NOTE 2 of 7.1.4) .....	16
7.1.4 Loss on ignition .....	16
7.2 Non-destructive test methods .....	17
7.2.1 Ultrasonic testing .....	17
7.2.2 Determination of the resonant frequency by mechanical shock .....	19
7.2.3 Rebound hammer .....	21
7.2.4 Mass .....	22
7.2.5 Bulk density .....	22
8 Test report .....	22
Bibliography .....	24

## Foreword

This document (EN 1402-7:2003) 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 April 2004, and conflicting national standards shall be withdrawn at the latest by April 2004.

This document supersedes ENV 1402-7:1998.

EN 1402 "Unshaped refractory products" consists of eight parts:

- *Part 1*            *Introduction and classification*
- *Part 2*            *Sampling for testing*
- *Part 3*            *Characterization as received*
- *Part 4*            *Determination of consistency of castables*
- *Part 5*            *Preparation and treatment of test pieces*
- *Part 6*            *Measurement of physical properties*
- *Part 7*            *Tests on pre-formed shapes*
- *Part 8*            *Determination of complementary properties*

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard specifies methods for the testing of as-delivered pre-formed shapes. It applies to shapes fabricated from dense and insulating castables and ramming materials as defined in EN 1402-1.

NOTE Acceptance values for the individual test methods described should be agreed between the parties involved.

## 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 (including amendments).

EN 1402-1, *Unshaped refractory products – Part 1 Introduction and classification*.

EN 1402-6, *Unshaped refractory products – Part 6: Measurement of physical properties*.

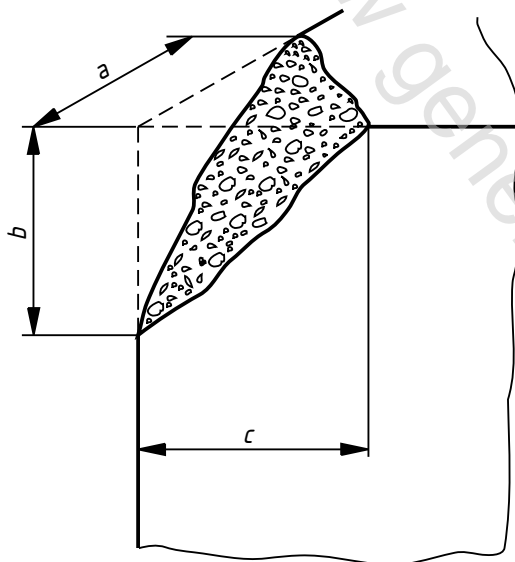
## 3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

### 3.1

#### corner defect

missing corner, defined by the three dimensions  $a$ ,  $b$  and  $c$  as indicated in Figure 1



#### Key

$a$ ,  $b$  and  $c$  Three dimensions defining the missing corner

Figure 1 — Typical corner defect