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IRISH STANDARD

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ICS

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UNSHAPED REFRACTORY PRODUCTS -

PART 2: SAMPLING FOR TESTING

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EUROPEAN STANDARD

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Produits réfractaires non-façonnés - Partie 2: Echantillonnage

Ungeformte feuerfeste Erzeugnisse - Teil 2: Probenahme

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 1402-2:2003) 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of an identical text or by endorsement, at the latest by April 2004, and conflicting national standards shall be withdrawn at the latest by April 2004.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 1402-2:1997.

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*

Annex A is informative.

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1 Scope

This part of this European Standard gives guidance on the sampling of unshaped refractory materials for the purpose of inspection and testing for quality and general information on the reduction and treatment of samples prior to testing. It covers all materials formulated as unshaped refractory 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 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 932-1, *Tests for general properties of aggregates - Part 1: Methods for sampling.*

ISO 8656-1, *Refractory products - Sampling of raw materials and unshaped products - Part 1: Sampling scheme.*

3 Terms and definitions

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

3.1
batch
lot
quantity of material from which a sample is to be achieved for testing to determine the quality of the material

NOTE A batch consists of material characterised as being of the same type, composition, grading and which, as far as practical, has been manufactured under the same conditions.

3.2
consignment
quantity of material supplied at one time

NOTE A consignment may consist of one or more batches or parts of batches.

3.3
unit package
packaged part of a batch which can be a bag or a big bag (castables, gunning material, ramming mixes), a carton (plastics), wrapped block (tap hole mixes), a drum or a can (injection material, refractory grout...)

NOTE A pallet is not a unit package.

3.4
increment
quantity of material taken at one time from a larger quantity

3.4.1
elementary increment
quantity of material taken at one time from a unit package

NOTE This operation repeated a number of times will constitute a package increment after mixing.

3.4.2
package increment
increment that is representative of the unit package

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