

Methods of test for dense shaped refractory products —

Part 15: Determination of thermal conductivity by the hot-wire (parallel) method

The European Standard EN 993-15:2005 has the status of a
British Standard

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee RPI/1, Refractory products and materials, which has the responsibility to:

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**Methods of test for dense shaped refractory products -
Determination of thermal conductivity by the hot-wire (parallel)
method**

Méthodes d'essai pour produits réfractaires façonnés
denses - Partie 15: Détermination de la conductivité
thermique par la méthode du fil chaud (parallèle)

Prüfverfahren für dichte geformte feuerfeste Erzeugnisse -
Teil 15: Bestimmung der Wärmeleitfähigkeit nach dem
Heißdraht- (parallel-) Verfahren

This European Standard was approved by CEN on 21 March 2005.

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Foreword

This document (EN 993-15:2005) 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of an identical text or by endorsement, at the latest by November 2005, and conflicting national standards shall be withdrawn at the latest by November 2005.

This document supersedes EN 993-15:1998.

EN 993 Methods of test for dense shaped refractory products consists of 20 Parts as follows:

- Part 1: *Determination of bulk density, apparent porosity and true porosity*
- Part 2: *Determination of true density*
- Part 3: *Test methods for carbon-containing refractories*
- Part 4: *Determination of permeability to gases*
- Part 5: *Determination of cold crushing strength*
- Part 6: *Determination of modulus of rupture at ambient temperature*
- Part 7: *Determination of modulus of rupture at elevated temperatures*
- Part 8: *Determination of refractoriness-under-load*
- Part 9: *Determination of creep in compression*
- Part 10: *Determination of permanent change in dimensions on heating*
- Part 11: *Determination of resistance to thermal shock (ENV)*
- Part 12: *Determination of pyrometric cone equivalent (refractoriness)*
- Part 13: *Specification for pyrometric reference cones for laboratory use*
- Part 14: *Determination of thermal conductivity by the hot-wire (cross-array) method*
- Part 15: *Determination of thermal conductivity by the hot-wire (parallel) method*
- Part 16: *Determination of resistance to sulphuric acid*
- Part 17: *Determination of bulk density of granular materials by the mercury method with vacuum*
- Part 18: *Determination of bulk density of granular materials by the water method with vacuum*
- Part 19: *Determination of thermal expansion by a differential method*
- Part 20: *Determination of resistance to abrasion at ambient temperature*

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