

SVENSK STANDARD

SS-EN 993-11:2007

Fastställt/Approved: 2007-12-21

Publicerad/Published: 2008-01-17

Utgåva/Edition: 1

Språk/Language: engelska/English

ICS: 81.080

Provningsmetoder för eldfast tegel – Del 11: Bestämning av beständighet vid termisk chock

Methods of test for dense shaped refractory products – Part 11: Determination of resistance to thermal shock

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EUROPEAN STANDARD

EN 993-11

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2007

ICS 81.080

Supersedes CEN/TS 993-11:2003

English Version

Methods of test for dense shaped refractory products - Part 11: Determination of resistance to thermal shock

Produits réfractaires façonnés denses - Partie 11:
Détermination de la résistance au choc thermique

Prüfverfahren für dichte geformte feuerfeste Erzeugnisse -
Teil 11: Bestimmung der Temperaturwechselbeständigkeit

This European Standard was approved by CEN on 15 November 2007.

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Foreword

This document (EN 993-11:2007) 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of an identical text or by endorsement, at the latest by June 2008, and conflicting national standards shall be withdrawn at the latest by June 2008.

This document supersedes CEN/TS 993-11:2003.

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

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

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 sulfuric 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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