

Methods of testing cement —

Part 4: Quantitative determination of constituents

ICS 91.100.10

National foreword

This Published Document is the UK implementation of CEN/TR 196-4:2007.
The UK participation in its preparation was entrusted by Technical Committee B/516, Cement and lime, to Subcommittee B/516/12, Sampling and testing.
A list of organizations represented on this committee can be obtained on request to its secretary.
This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 November 2007

© BSI 2007

ISBN 978 0 580 61119 3

Amendments issued since publication

Amd. No.	Date	Comments

English Version

Methods of testing cement - Part 4: Quantitative determination of constituents

Méthodes d'essais des ciments - Partie 4 : Détermination
quantitative des constituants

Prüfverfahren für Zement - Teil 4: Quantitative Bestimmung
der Bestandteile

This Technical Report was approved by CEN on 14 April 2007. It has been drawn up by the Technical Committee CEN/TC 51.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword	3
1 Scope.....	5
2 Normative references	6
3 General requirements for testing	7
3.1 Number of tests	7
3.2 Determination of constant mass	7
3.3 Expression of masses and results	8
3.4 Repeatability and reproducibility	8
4 Preparation of a cement sample.....	8
5 Reagents	8
6 Determination of the contents of cement constituents	8
6.1 General.....	8
6.2 Selective dissolution method	9
7 Determination of the contents of constituents for cements with three constituents	16
7.1 General.....	16
7.2 Determination of the slag content.....	16
7.3 Determination of the siliceous fly ash content	26
7.4 Determination of the natural pozzolana content	28