BS EN 450-1:2012



BSI Standards Publication

Fly ash for concrete

Part 1: Definition, specifications and conformity criteria



...making excellence a habit™

BS EN 450-1:2012 BRITISH STANDARD

National foreword

This British Standard is the UK implementation of EN 450-1:2012. It supersedes BS EN 450-1:2005+A1:2007 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/517/4, Additions for concrete.

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.

© The British Standards Institution 2012. Published by BSI Standards Limited 2012

ISBN 978 0 580 70538 0

ICS 91.100.30

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2012.

Amendments issued since publication

Date Text affected

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 450-1

August 2012

ICS 91.100.30

Supersedes EN 450-1:2005+A1:2007

English Version

Fly ash for concrete - Part 1: Definition, specifications and conformity criteria

Cendres volantes pour béton - Partie 1: Définition, spécifications et critères de conformité

Flugasche für Beton - Teil 1: Definition, Anforderungen und Konformitätskriterien

This European Standard was approved by CEN on 6 July 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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 CEN-CENELEC Management Centre has the same status as the official versions.

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



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

© 2012 CEN

All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 450-1:2012: E

Contents

		Page
Forew	ord	3
Introdu	uction	4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4 4.1 4.2	Specific provisions for fly ash from co-combustion Co-combustion materials Establishment of suitability of fly ash from co-combustion	7
5 5.1	SpecificationsGeneral	8
5.2 5.3 5.4 5.5	Chemical requirements Physical requirements Other requirements Information to be supplied upon request	10 11
6	Packaging and labelling	12
7	Sampling	12
8 8.1 8.2 8.3	Conformity criteriaGeneral requirementsStatistical conformity criteriaSingle result conformity criteria	12 14
Annex	A (normative) Release of dangerous substances and emission of radioactivity	18
Annex	B (normative) Determination of the water requirement for Category S fly ash	19
Annex	C (normative) Determination method on the content of soluble phosphate (expressed as P ₂ O ₅)	21
Annex	ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Product Directive	23
Bibliod	graphy	30