

Admixtures for concrete, mortar and grout

Part 2. Concrete admixtures — Definitions and requirements

The European Standard EN 934-2 : 1997 has the status of a
British Standard

ICS 91.100.30

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National foreword

This Part of BS EN 934 has been prepared by subcommittee B/517/3 and is the English language version of EN 934-2 : 1997 *Admixtures for concrete, mortar and grout — Part 2: Concrete admixtures — Definitions, specifications and conformity criteria*, published by the European Committee for Standardization (CEN).

This standard is part of a package of standards comprising BS EN 480 Parts 1, 2, 4, 5, 6, 8, 10, 11 and 12, and BS EN 934 : Parts 2 and 6. When all the standards in this package have been published, BS 5075 : Parts 1, 2 and 3 will be amended by deleting clauses that conflict with standards in the package.

This standard includes requirements for all the single function admixtures currently covered by BS 5075 : Parts 1, 2 and 3 but not the dual function admixtures such as retarding water-reducing admixtures and retarding superplasticizing admixtures. It is expected that an amendment to this standard, covering the dual function admixtures in BS 5075 : Parts 1 and 3, will be published.

Requirements for water resisting admixtures are included. These have also been known as waterproofing admixtures and integral permeability reducing admixtures but water resisting admixture is the preferred term in BS 6100.

Plasticizing/water reducing admixtures and super plasticizing/high range water reducing admixtures are subject to performance requirements at equal w/c ratio and equal consistence.

The requirement for total chlorine in table 1 refers to ISO 1158. As this test procedure is intended for chlorine based materials, such as PVC, it is probably necessary to use a larger quantity of admixture than that specified in ISO 1158 in order to obtain accurate results within the sensitivity of the test method. In one set of trials the weight of sample was increased by a factor of five and the reagents diluted from 0,1 N to 0,01 N to obtain an accurate estimate of the chlorine content. Chlorine content is not the same as chloride ion content which should also be determined.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

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Cross-references

The British Standards that implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled 'International Standards Correspondence Index', or by using the 'Find' facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 8, an inside back cover and a back cover.

Amendments issued since publication

Amd. No.	Date	Text affected

This British Standard, having been prepared under the direction of the Sector Board for Building and Civil Engineering, was published under the authority of the Standards Board and comes into effect on 15 April 1998

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ISBN 0 580 29230 4

ICS 91.100.30

Descriptors: Construction materials, concrete, mortars : material, grouting, concrete admixtures, definitions, specifications, tests, conformity tests

English version

Admixtures for concrete, mortar and grout — Part 2: Concrete admixtures — Definitions and requirements

Adjuvants pour béton, mortier et coulis — Partie 2:	Zusatzmittel für Beton, Mörtel und
Adjuvants pour béton — Définitions et exigences	Einpreßmörtel — Teil 2: Betonzusatzmittel — Definitionen und Anforderungen

This European Standard was approved by CEN on 25 December 1996.

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CEN

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 104, Concrete (performance, production, placing and compliance criteria), of which the secretariat is held by DIN.

This standard is a part of the series EN 934 *Admixtures for concrete, mortar and grout* which additionally comprises the following parts:

- Part 1: *General definitions and general requirements for all the types of admixtures¹⁾*
- Part 3: *Admixtures for mortar*
- Part 4: *Admixtures for grout*
- Part 5: *Admixtures for sprayed concrete*
- Part 6: *Sampling, conformity control evaluation of conformity, marking and labelling*

At the present time all these documents are under preparation by SC 3.

This European standard is used with the standards of the EN 480 series which comprises test methods for admixtures.

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 1998, and conflicting national standards shall be withdrawn at the latest by April 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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¹⁾ The work on this part has ceased until the other parts of the series EN 934 are completed and available. Then the general definitions and general requirements which are valid for all types of admixtures will be taken from the other parts and will be compiled in Part 1.