

Admixtures for concrete, mortar and grout — Admixtures for grout for prestressing tendons —

Part 4: Definitions, requirements, conformity, marking and labelling

The European Standard EN 934-4:2001, with the incorporation of amendment A1:2004, has the status of a British Standard

ICS 91.100.99

National foreword

This British Standard is the official English language version of EN 934-4:2001, including amendment A1:2004. It supersedes BS EN 934-4:2000 which is withdrawn.

EN 934-4:2001 is a candidate “harmonized” European Standard and fully takes into account the requirements of the European Commission mandate M128, Products related to concrete, mortar and grout, given under the EU Construction Products Directive (89/106/EEC), and intended to lead to CE marking. The date of applicability of EN 934-4:2001 as a “harmonized” European Standard, i.e. the date after which this standard may be used for CE marking purposes, is subject to an announcement in the *Official Journal of the European Communities*.

EN 934-4:2001 is the subject of transitional arrangements agreed under the European Commission mandate. The Member States have agreed a nominal transition period for the co-existence of EN 934-4:2001 and their corresponding national standard(s). It is intended that this period will comprise a nominal nine month period during which any required changes to national regulations are to be made, followed by a further nominal twelve month period for the implementation of CE marking. As there are no corresponding national standards in the UK this transition period will only apply to the implementation of CE marking.

Additional information

Attention is drawn to the fact that EN 934-4:2001 includes an annex ZA. EN 934-4:2001 also differs from EN 934-4:2000 in that requirements for marking and labelling have been transferred to this standard from EN 934-6:2000.

Note also that in Table 2 the required range of volume changes for test mixes of grout admixtures is dependent on whether the grout mixture is non-expanding or expanding. It is shown in Figure ZA.1 that this range of volume change be stated in the CE marking.

The UK participation in its preparation was entrusted by Technical Committee B/517, Concrete, to Subcommittee B/517/3, Admixtures, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

This British Standard, having been prepared under the direction of the Sector Policy and Strategy Committee for Building and Civil Engineering, was published under the authority of the Standards Policy and Strategy Committee on 19 September 2001

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Amendments issued since publication

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Attention is drawn to the requirements for corrosion behaviour in Table 1 (item number 9) and Table ZA.1. It states that until there is an accepted European Standard, the national regulations in place of use apply. As the UK has no national regulations in respect of this characteristic, then no testing is required for products sold in the UK and it is acceptable to record “no performance determined” (NPD), with regard to this characteristic, in the information accompanying the CE marking. However, if the product is to be placed on the market in EU or EFTA member states where there are national regulations for this characteristic, then testing is required in accordance with those regulations.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 14, an inside back cover and a back cover.

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English version

**Admixtures for concrete, mortar and grout - Admixtures for grout
for prestressing tendons - Part 4: Definitions, requirements,
conformity, marking and labelling**

(includes amendment A1:2004)

Adjuvants pour béton, mortier et coulis - Adjuvants pour
coulis pour câbles de précontrainte - Partie 4: Définitions,
exigences, conformité, marquage et étiquetage
(inclut l'amendement A1:2004)

Zusatzmittel für Beton, Mörtel und Einpressmörtel -
Zusatzmittel für Einpressmörtel für Spannglieder -
Teil 4: Definitionen, Anforderungen, Konformität,
Kennzeichnung und Beschriftung
(enthält Änderung A1:2004)

This European Standard was approved by CEN on 2 May 2001, and amendment A1 was approved by CEN on 29 July 2004.

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 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 Management Centre has the same status as the official versions.

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