SLOVENSKI STANDARD
kSIST FprEN 480-1:2014

01-maj-2014

Kemijski dodatki za beton, malto in injekcijsko maso - Metode preskušanja - 1. del: Referenčni beton in referenčna malta za preskušanje

Admixtures for concrete, mortar and grout — Test methods — Part 1: Reference concrete and reference mortar for testing

Zusatzmittel für Beton, Mörtel und Einpressmörtel — Prüfverfahren — Teil 1: Referenzbeton und Referenzmörtel für Prüfungen

Adjuvants pour béton, mortier et coulis — Méthodes d'essais — Partie 1 : Béton et mortier de référence pour essais

Ta slovenski standard je istoveten z: FprEN 480-1

ICS:

91.100.10	Cement. Mavec. Apno. Malta	Cement. Gypsum. Lime. Mortar
91.100.30	Beton in betonski izdelki	Concrete and concrete products

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EUROPEAN STANDARD

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FINAL DRAFT
FprEN 480-1

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ICS 91.100.10; 91.100.30

Will supersede EN 480-1:2006+A1:2011

English Version

Admixtures for concrete, mortar and grout - Test methods - Part 1: Reference concrete and reference mortar for testing

Adjuvants pour béton, mortier et coulis - Méthodes d'essais - Partie 1 : Béton et mortier de référence pour essais

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Foreword

This document (FprEN 480-1:2014) has been prepared by Technical Committee CEN/TC 104 “Concrete and related products”, the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 480-1:2011.

The main changes with respect to the previous edition are listed below:

a) amendment of the cement range;

b) editorial revision according to CEN Internal Regulations.

This European Standard is part of the series EN 480 *Admixtures for concrete, mortar and grout — Test methods* which comprises the following:

— *Part 1: Reference concrete and reference mortar for testing*

— *Part 2: Determination of setting time*

— *Part 4: Determination of bleeding of concrete*

— *Part 5: Determination of capillary absorption*

— *Part 6: Infrared analysis*

— *Part 8: Determination of the conventional dry material content*

— *Part 10: Determination of water soluble chloride content*

— *Part 11: Determination of air void characteristics in hardened concrete*

— *Part 12: Determination of the alkali content of admixtures*

— *Part 13: Reference masonry mortar for testing mortar admixtures*

— *Part 14: Determination of the effect on corrosion susceptibility of reinforcing steel by potentiostatic electro-chemical test*

This standard is applicable together with the standards of the series EN 934 *Admixtures for concrete, mortar and grout — Concrete admixtures*.

1 Scope

This European Standard specifies the constituent materials, the composition and the mixing method to produce reference concrete and reference mortar for testing the efficacy and the compatibility of admixtures in accordance with the series EN 934.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 196-1, *Methods of testing cement — Part 1: Determination of strength*

EN 196-2, *Methods of testing cement -— Part 2: Chemical analysis of cement*

EN 196-6, *Methods of testing cement — Part 6: Determination of fineness*

EN 197-1, *Cement — Part 1: Composition, specifications and conformity criteria for common cements*

EN 413-2, *Masonry cement — Part 2: Test methods*

EN 934 (all parts), *Admixtures for concrete, mortar and grout*

EN 1008, *Mixing water for concrete — Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete*

EN 12350-6, *Testing fresh concrete — Part 6: Density*

EN 12350-7, *Testing fresh concrete — Part 7: Air content — Pressure methods*

EN 12390-1, *Testing hardened concrete — Part 1: Shape, dimensions and other requirements for specimens and moulds*

EN 12390-2, *Testing hardened concrete — Part 2: Making and curing specimens for strength tests*

EN 12620, *Aggregates for concrete*

3 Constituent materials

3.1 Cement

The reference concrete and mortar shall be made with a CEM I cement of strength class 42,5 or 52,5 conforming to EN 197-1.

The cement used shall have a C_3A content of 7 % to 11 % by mass calculated from chemical analysis according to EN 196-2 and a specific surface of (3 200 to 4 600) cm^2/g determined according to EN 196-6.