Müürimörtide spetsifikatsioon. Osa 2: Müürimört

Specification for mortar for masonry - Part 2: Masonry mortar



FESTI STANDARDI FESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 998-2:2010 sisaldab Euroopa standardi EN 998-2:2010 ingliskeelset teksti.

This Estonian standard EVS-EN 998-2:2010 consists of the English text of the European standard EN 998-2:2010.

Standard on kinnitatud Eesti Standardikeskuse 31.10.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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Specification for mortar for masonry - Part 2: Masonry mortar

Définitions et spécifications des mortiers pour maçonnerie -Partie 2: Mortiers de montage des éléments de maçonnerie Festlegungen für Mörtel im Mauerwerksbau - Teil 2: Mauermörtel

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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 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, 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

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Foreword

This document (EN 998-2:2010) has been prepared by Technical Committee CEN/TC 125 "Masonry", the Secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by March 2011, and conflicting national standards shall be withdrawn at the latest by March 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 998-2:2003.

The main technical changes compared to the previous edition are in relation to thermal conductivity, where the basis for the declared value has been specified, and in relation to evaluation of conformity, where more details have been given.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports the essential requirements of the EU Construction Products Directive (89/106/EEC).

It also takes into account the general rules for reinforced and unreinforced masonry in Eurocode 6.

For relationship with EU Directive(s), see informative Annex ZA which is an integral part of this document.

EN 998 Specification for mortar for masonry consists of:

- Part 1: Rendering and plastering mortar.
- Part 2: Masonry mortar.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, 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 the United Kingdom.

5

Introduction

The properties required of a mortar are related to its use.

They are considered in two groups viz.: those relating to the fresh, unhardened mortar and those to the hardened mortar.

avition of to To support the aim of achieving a performance-related standard, as far as practicable, the standard refers only to the properties of the product and not to its method of manufacture, except where this is unavoidable in the description of the characteristics of the product.

1 Scope

This European Standard specifies requirements for factory made masonry mortars (bedding, jointing and pointing) for use in masonry walls, columns and partitions (e.g. facing and rendered masonry, load bearing or non-load bearing masonry structures for building and civil engineering).

This European Standard defines for fresh mortars the performance related to workable life, chloride content, air content, density and correction time (for thin-layer mortars only). For hardened mortars it defines e.g. performances related to compressive strength, bond strength, density measured according to the corresponding test methods contained in separate European Standards.

This European Standard provides for the evaluation of conformity of the product to this European Standard.

The marking requirement for products covered by this European Standard is included.

This European Standard covers masonry mortars defined in Clause 3 with the exception of site made mortars. However, this European Standard or part of this European Standard may be used in conjunction with codes of applications and national specifications covering site made mortars.

2 Normative references

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

EN 771 (all parts), Specification for masonry units

EN 1015-1, Methods of test for mortar for masonry — Part 1: Determination of particle size distribution (by sieve analysis)

EN 1015-2, Methods of test for mortar for masonry — Part 2: Bulk sampling of mortars and preparation of test mortars

EN 1015-7, Methods of test for mortar for masonry — Part 7: Determination of air content of fresh mortar

EN 1015-9, Methods of test for mortar for masonry — Part 9: Determination of workable life and correction time of fresh mortar

EN 1015-10, Methods of test for mortar for masonry — Part 10: Determination of dry bulk density of hardened mortar

EN 1015-11, Methods of test for mortar for masonry — Part 11: Determination of flexural and compressive strength of hardened mortar

EN 1015-17, Methods of test for mortar for masonry — Part 17: Determination of water-soluble chloride content of fresh mortars

EN 1015-18, Methods of test for mortar for masonry — Part 18: Determination of water absorption coefficient due to capillary action of hardened mortar

EN 1745:2002, Masonry and masonry products — Methods for determining design thermal values

EN 13501-1, Fire classification of construction products and building elements — Part 1: Classification using test data from reaction to fire tests