

MÜÜRIMÖRTIDE SPETSIFIKATSIOON. OSA 2:
MÜÜRIMÖRT

Specification for mortar for masonry - Part 2: Masonry
mortar

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

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

This European Standard was approved by CEN on 9 April 2016.

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European foreword

This document (EN 998-2:2016) has been prepared by Technical Committee CEN/TC 125 “Masonry”, the secretariat of which is held by BSI.

This document supersedes EN 998-2:2010.

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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by August 2018.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports basic requirements for construction works of the EU Construction Products Regulation (Regulation (EU) No 305/2011).

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

For relationship with EU Regulation, see informative Annex ZA, which is an integral part of this document.

The most significant changes compared to the previous edition include:

- a) implementation of new regulatory (CPR) terminology where relevant;
- b) new subclause 5.4.2.2 on Flexural bond strength (deriving from Finnish legal query);
- c) revised clauses on Assessment and verification of constancy of performance (AVCP);
- d) new explanatory note added to tabulated values in Annex C;
- e) new annex with indicative frequencies on testing for factory production control (informative);
- f) revised Annex ZA (informative);
- g) some minor editorial changes.

No changes to existing technical classes and/or threshold levels have been made.

EN 998, *Specification for mortar for masonry* consists of:

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

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Introduction

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

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

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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 buildings and civil engineering works).

This European Standard defines for fresh mortar the performance related to workable life, chloride content, air content, density and correction time (for thin-layer mortar only). For hardened mortar it defines, e.g. performance 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 assessment and verification of constancy of performance (AVCP) 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 mortar. However, this European Standard or part of this European Standard may be used in conjunction with codes of application and national specifications covering site made mortar.

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 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 1052-3, *Methods of test for masonry - Part 3: Determination of initial shear strength*

EN 1052-5, *Methods of test for masonry - Part 5: Determination of bond strength by the bond wrench method*

EN 1745:2012, *Masonry and masonry products - Methods for determining thermal properties*

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

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

masonry mortar

mix of one or more inorganic binders, aggregates, water, and sometimes additions and/or admixtures for bedding, jointing and pointing of masonry

3.2

fresh masonry mortar

mortar completely mixed and ready for use

3.3

Type of masonry mortar, defined according to concept

3.3.1

designed masonry mortar

mortar whose composition and manufacturing method is chosen by the producer in order to achieve specified properties (performance concept)

3.3.2

prescribed masonry mortar

mortar made in predetermined proportions, the properties of which are assumed from the stated proportion of the constituents (recipe concept)

3.4

Type of masonry mortar, defined according to properties and/or use

3.4.1

general purpose masonry mortar (G)

masonry mortar without special characteristics

3.4.2

thin layer masonry mortar (T)

designed masonry mortar with a maximum aggregate size less than or equal to a prescribed figure (see 5.5.2)

3.4.3

lightweight masonry mortar (L)

designed masonry mortar with a dry hardened density below a prescribed figure (see 5.4.5)