



**NSAI**  
Standards

Irish Standard  
I.S. EN 998-2:2016

# Specification for mortar for masonry - Part 2: Masonry mortar

**I.S. EN 998-2:2016**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 998-2:2016 is the adopted Irish version of the European Document EN 998-2:2016, Specification for mortar for masonry - Part 2: Masonry mortar

To ensure this standard is appropriately applied in Ireland, the current version of S.R. 325 Recommendations for the design of masonry structures in Ireland to Eurocode 6, provides additional guidance on Irish Practice and to elaborate on requirements in the standard which reference provisions valid in the place of use.

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

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

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EUROPEAN STANDARD

EN 998-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 998-2:2010

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: Mauer Mörtel

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

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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**EN 998-2:2016 (E)****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.*

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.



According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**EN 998-2:2016 (E)**

**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.

## 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*

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