BS EN 998-1:2016

BSI Standards Publication

Specification for mortar for masonry

Part 1: Rendering and plastering mortar

bsi.

National foreword

This British Standard is the UK implementation of EN 998-1:2016. It supersedes BS EN 998-1:2010 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/519/2, Mortar.

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

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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Définitions et spécifications des mortiers pour maçonnerie - Partie 1: Mortiers d'enduits minéraux extérieurs et intérieurs

Festlegungen für Mörtel im Mauerwerksbau - Teil 1: Putzmörtel

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

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European foreword

This document (EN 998-1:2016) has been prepared by Technical Committee CEN/TC 125 “Masonry”, the secretariat of which is held by BSI.

This document supersedes EN 998-1:2010.

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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by August 2018.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

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) the order of 5.2 to 5.4 has been changed (fresh mortar before hardened mortar);

c) revised clauses on Assessment and verification of constancy of performance (AVCP);

d) new annex with indicative frequencies on testing for factory production control (informative);

e) revised Annex ZA (informative);

f) 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 of rendering and plastering mortars depend essentially on the type or types of binders used and their respective proportions. Special properties can be achieved by the type of aggregates, admixtures and/or additions used.

Rendering/plastering mortars are defined:

a) according to the concept as either:

   1) designed mortar; or

   2) prescribed mortar.

b) according to the mode of manufacture as either:

   1) factory-made mortar;

   2) semi-finished factory mortar; or

   3) site-made mortar.

c) according to the properties and/or use, as either:

   1) general purpose rendering/plastering mortars;

   2) lightweight rendering/plastering mortars;

   3) coloured rendering mortar;

   4) one-coat rendering mortar;

   5) renovation rendering/plastering mortars;

   6) thermal rendering/plastering insulating mortars.

Rendering/plastering mortars do not attain their final characteristics until properly hardened after application. The functions performed by a rendering/plastering mortar depend on the characteristics of the types of material used, on the thickness of the coats and the type of application. In addition, rendering/plastering mortars determine the surface of the construction.

Regional differences in construction practices and climate, and different constituents for rendering/plastering mortars do not allow for the establishment of standard mix proportions for prescribed mortar that would be applicable in all of Europe. Therefore, the specification of such mix proportions (recipes) and fields of application should be based on practice and experience available in the place of use.

1 Scope

This European Standard is applicable to factory-made rendering/plastering mortars based on inorganic binders for external (rendering) and internal (plastering) use on walls, ceilings, columns and partitions. It contains definitions and final performance requirements.

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.

It does not cover mortars where calcium sulphate binder is the principal active binding agent.

Calcium sulphate binder can be used as an additional binder together with air lime. If air lime is the principal active binding component, the rendering/plastering mortar is covered by this European Standard. If the calcium sulphate binder is the principal active binding component, the mortar is covered by EN 13279.

Special fire resistant- and acoustical mortars, mortars for structural repair and surface treatments of building elements such as materials for smoothing or trueing, paints, coatings, thin-layer organic renders/plasters and prefabricated units (e.g. plasterboards) are not dealt with in this European Standard.

This European Standard covers rendering/plastering mortars defined in Clause 3 with the exception of site-made rendering/plastering mortars. 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 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 1015-12, *Methods of test of mortar for masonry - Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates*

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 1015-19, *Methods of test for mortar for masonry - Part 19: Determination of water vapour permeability of hardened rendering and plastering mortars*