



SLOVENSKI STANDARD

PSIST prEN 998-2:1996

01-oktober-1996

Specifikacija malt za zidove - 2. del: Malta za zidanje

Specification for mortar for masonry - Part 2: Masonry mortar

Festlegungen für Mörtel im Mauerwerksbau - Teil 2: Mauermörtel

Spécifications des mortiers pour maçonnerie - Partie 2: Mortiers de montage

Ta slovenski standard je istoveten z: EN 998-2:2001

ICS:

91.100.10 Cement. Mavec. Apno. Malta Cement. Gypsum. Lime.
Mortar

PSIST prEN 998-2:1996

en

EUROPEAN STANDARD

DRAFT
prEN 998-2

NORME EUROPEENNE

EUROPAISCHE NORM

January 1993

UDC

Descriptors :

English version

Specification for mortar for masonry - Part 2:
Masonry mortarSpecification pour mortier de
maçonnerie - Partie 2: Mortier de
maçonnerieFestlegungen für Mörtel für Mauerwerk
- Teil 2: Mauermörtel

This draft European Standard is submitted to the CEN members for CEN enquiry.
It has been drawn up by Technical Committee CEN/TC 125 .

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark,
Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg,
Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© CEN 1993 Copyright reserved to all CEN members

Ref. No. prEN 998-2:1993 E

Page 2
prEN 998-2:1993

Contents	Page
Foreword	3
Introduction	4
Clause	
1 Scope	5
2 Normative references	5
3 Definitions	6
4 Materials	7
5 Requirements	10
6 Designation and classification of masonry mortar	14
7 Marking and labelling	15
Annex A (Informative) Use of masonry units and masonry mortar	17

Foreword

This draft European Standard has been prepared by TC 125, Masonry, and was approved by the TC on 19/21 September 1990 to go forward to the CEN Enquiry stage.

This draft standard is one of the series of draft standards for masonry products and has been produced to meet the Essential Requirements laid down in the Construction Products Directive (89/106/EEC) which includes the performance requirements of the Eurocode for Masonry Structures.

It was prepared by Working Group 2, Mortar, taking into account the proposals submitted by Task Group 1, Masonry Mortar.

No existing European Standard is superseded.

The construction product should have such characteristics that the works in which they are to be incorporated, assembled or installed, can be properly designed and built and satisfy the Essential Requirements as defined in the EC Council Directive 89/106/EEC. The requirements for masonry mortar which the responsible Technical Committee deems necessary to be met in order to achieve this, are given in bold italic typeface. Account is taken of the Interpretative Documents which give the link between the Essential Requirement of the works and the requirements for products.

Informative statements included for information or guidance within the normative elements of the standard are given in the form of a 'NOTE' in normal italic typeface where they are not associated with Essential Requirements and in bold italic typeface where they are so associated.

Annex A is an informative annex giving guidance in the application and use of masonry units and masonry mortar within the scope of this standard.

NOTE: Comment is specially invited on the permissible chloride content of hardened mortar.

Comment is also specially invited on the selection of particular requirements in the draft as Essential Requirements.

It has not been possible to produce a specific requirement and method of test for bond strength of the masonry mortar to specified masonry units. This draft standard nevertheless addresses the matter indirectly via reference to shear testing of masonry specimens.

0 Introduction

0.1 The properties required of a mortar are related to its use. They can be considered in two groups viz.: those relating to the fresh, unhardened, mortar and those to the hardened mortar.

0.2 The properties of fresh mortars are of interest to the mason, but they have an effect on the properties of the hardened mortar; the main properties are:

- consistence;
- air content;
- water retentivity;
- service life.

0.3 The properties of hardened mortar are of interest to the specifier, since they affect primarily the performance of the masonry built with them; the main properties are:

- compressive strength;
- bond strength;
- durability.

0.4 The specifier should state, having regard to the use and loading of the masonry in which the mortar will be used, the values of the following properties of the hardened mortar he requires:

- those properties listed in 0.3 above;
- density, only if this is less than 1500 kg/m^3 .

0.5 Optionally, the specifier may also state values for any of the properties of fresh mortar listed in 0.2 above.

1 Scope

This Part of EN CCCC specifies requirements for masonry mortars for use in masonry construction.

Information about special qualities intended for use in a particular construction are not covered by the standard. 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.

Annex A is an informative annex giving guidance on the use of masonry units and masonry mortar together.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- | | |
|------------|--|
| EN DDDD-3 | Methods of test for mortar for masonry - Determination of consistence of fresh mortar (by flow table) (Reference method) |
| EN DDDD-6 | Methods of test for mortar for masonry - Determination of bulk density of fresh mortar |
| EN DDDD-7 | Methods of test for mortar for masonry - Determination of air content of fresh mortar |
| EN DDDD-8 | Methods of test for mortar for masonry - Determination of water retentivity of fresh mortar |
| EN DDDD-9 | Methods of test for mortar for masonry - Determination of service life of fresh mortar |
| EN DDDD-10 | Methods of test for mortar for masonry - Determination of bulk density of hardened mortar |
| EN DDDD-11 | Methods of test for mortar for masonry - Determination of flexural and compressive strength of hardened mortar |
| EN DDDD-17 | Methods of test for mortar for masonry - Determination of soluble salt content of hardened mortar |
| EN GGGG-3 | Methods of test for masonry - Determination of initial shear strength |
| EN GGGG-4 | Methods of test for masonry - Determination of shear strength including damp proof course |

Page 6
prEN 998-2:1993

EN JJJ	Fire resistance test (in preparation by CEN/TC 127) (informative reference only)
EN KKK	Sound insulation and absorption test (in preparation by CEN/TC 126)
EN LLL	Requirements and methods of test for thermal insulation properties (in preparation by CEN/TC 125)
EN MMM	Non-combustibility test (in preparation by CEN/TC 127)
EN 000	Determination of correction time (to be prepared by CEN/TC 125)
EN PPP	Mixing water for concrete (to be prepared by CEN/TC 104)
EN QQQ	Sieve analysis of aggregates (to be prepared by CEN/TC 154)
EN SSS	Admixtures for mortar (to be prepared by CEN/TC 104/WG 3)
EN TTT	Additions for mortar (to be prepared by CEN/TC 104)
EN VVV	Aggregates for mortar (to be prepared by CEN/TC 154)
ENV 197	Cement - composition, specification and conformity criteria Part 1: Common cements (in preparation by CEN/TC 51)
ENV 413	Masonry cement Part 1: Specification (in preparation by CEN/TC 51)
ENV 459	Building lime Part 1: Definitions, specification and conformity criteria

3 Definitions

For the purposes of this standard, the following definitions apply.

3.1 masonry mortar: A mix of one or more inorganic binders, aggregates, water, and sometimes additives and/or admixtures.

3.2 Type of mortar, defined according to concept

3.2.1 designed mortar: A mortar designed and manufactured to fulfil stated properties and subjected to test requirements.

3.2.2 prescribed mortar: A mortar made in predetermined proportions, the properties of which are assumed from the stated proportion of the constituents.