

Specifications for external renders and internal plasters based on organic binders

ICS 91.100.10

National foreword

This British Standard is the UK implementation of EN 15824:2009.

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.

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English Version

Specifications for external renders and internal plasters based on organic binders

Spécifications pour enduits de maçonnerie organiques
extérieurs et intérieurs

Festlegungen für Außen- und Innenputze mit organischen
Bindemitteln

This European Standard was approved by CEN on 11 December 2008.

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 Management Centre or to any CEN member.

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Foreword

This document (EN 15824:2009) 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of an identical text or by endorsement, at the latest by January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EC Directive(s).

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

The CEN Enquiry on this Work Item was submitted as prEN 998-3:2006 but as a result of the discussion of the comments, the title of the draft was changed. As a result of this change the identifier of the Final Draft is changed too.

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, 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.

Introduction

The properties of external renders and internal plasters based on organic binders are primarily determined by the type or types of binders used and their respective proportions.

Organic renders and plasters can be defined according to the:

- chemical and physical nature of the main active binder(s) and its state of dissolution, dispersion, or powder, which is decisive for the final characteristics of the surface covering with one or several coats;
- finishes determined by the aggregate distribution and application technique;
- properties and/or type of use.

They are factory-made products produced in paste form, ready to use or in powder form.

Renders and plasters do not attain their final characteristics until properly dried and hardened after application. The functions performed by renders and plasters depend on the properties of the type of raw materials used, on the thickness of the coats and the type of application. In addition, renders and plasters determine the final surface of the construction before eventually receiving a finish if required.

The manufacturer designates the appropriate properties and characteristics for end use and appearance and should give information about the use of the renders or plasters and the relevant conditions of use.

1 Scope

This European Standard is applicable to factory-made renders and plasters based on organic binders used for external or internal covering on walls, columns, partitions and ceilings. This European Standard is also applicable to renders and plasters with inorganic binders such as silicates, silanes, siloxanes and silicones.

This European Standard contains definitions and final performance requirements. It includes relevant characteristic categories to designate renders and plasters.

This European Standard is not applicable to coating materials and coating systems according to EN 1062-1 and EN 13300.

This European Standard does not contain recommendations for the design and application of renders and plasters. However, this European Standard may be used for definition of renders and plasters in conjunction with codes of application and national specifications for execution of works.

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

EN 1062-3, *Paints and varnishes — Coating materials and coating systems for exterior masonry and concrete — Part 3: Determination of liquid water permeability*

EN 1542, *Products and systems for the protection and repair of concrete structures — Test methods — Measurement of bond strength by pull-off*

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 data from reaction to fire tests*

EN 13687-3, *Products and systems for the protection and repair of concrete structures — Test methods — Determination of thermal compatibility — Part 3: Thermal cycling without de-icing salt impact*

EN 13820, *Thermal insulating materials for building applications - Determination of organic content*

EN ISO 7783-2, *Paints and varnishes — Coating materials and coating systems for exterior masonry and concrete — Part 2: Determination and classification of water-vapour transmission rate (permeability) (ISO 7783-2:1999)*

EN ISO 9001, *Quality management systems — Requirements (ISO 9001:2000)*

EN ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling (ISO 15528:2000)*

3 Terms and definitions

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

**3.1
render and plaster**

product in paste or powder form, consisting of a mix of one or more organic binders, aggregates, additives/additions, with water or solvent used for external rendering or internal plastering

NOTE Render or plaster may be the product delivered by the manufacturer or the applied material on site.

**3.2
declared value**

value that a manufacturer is confident in achieving, bearing in mind the precision of test and variability of a process

**3.3
substrate**

surface to which the plaster or render is applied or is to be applied

NOTE Examples are coated or uncoated masonry, concrete, gypsum elements, gypsum or cementitious boards for walls, columns, partitions and ceilings.

4 Requirements

4.1 General

The requirements on characteristics for dried and hardened renders and plasters shall be defined using the test methods and procedures referred to in this European Standard. For these tests, renders and plasters in paste form shall be sampled in accordance with EN ISO 15528 and renders and plasters in powder form in accordance with EN 1015-2.

NOTE The characteristic values are specified under laboratory conditions and cannot always be directly compared with the characteristics obtained under site conditions.

In all tests the layer thickness recommended in the manufacturers instructions shall be used.

4.2 Water vapour permeability

Water vapour permeability shall be determined for external renders by measuring the water vapour transmission rate in accordance with EN ISO 7783-2 and shall be categorized in accordance with the values given in Table 1.

Table 1 — Categories for water vapour transmission rate (V)

| Category | | Requirement | |
|----------|--------|--|---|
| | | Water vapour transmission rate V g/(m ² · d) | Diffusion equivalent to the air layer thickness s_d m ^a |
| V_1 | High | > 150 | < 0,14 |
| V_2 | Medium | ≤ 150 | ≥ 0,14 |
| | | > 15 | < 1,4 |
| V_3 | Low | ≤ 15 | ≥ 1,4 |

^a Values of diffusion equivalent to the air layer thickness (s_d) in accordance with EN ISO 7783-2.

4.3 Water absorption

Liquid water permeability shall be determined for external renders by measuring the liquid water permeability in accordance with EN 1062-3 and shall be categorized in accordance with the values given in Table 2.

Table 2 — Categories for liquid water permeability (W)

| Category | | Requirement w kg/(m ² · h ^{0,5}) |
|----------|--------|--|
| W_1 | High | > 0,5 |
| W_2 | Medium | ≤ 0,5 > 0,1 |
| W_3 | Low | ≤ 0,1 |

4.4 Adhesion

Adhesion of the system shall be declared and shall be determined in accordance with EN 1542 after drying, hardening and conditioning for 28 days at (23 ± 2) °C and (50 ± 10) % relative humidity.

All measured values shall be not less than 0,3 MPa.

4.5 Durability

The durability against freeze-thaw for external renders shall be declared. It shall only be assessed according to EN 13687-3 if the liquid water permeability of a render is $w > 0,5$ kg/(m² · d^{0,5}). All measured values shall be not less than 0,3 MPa.

4.6 Thermal conductivity

The thermal conductivity shall be declared on the basis of Table A.12 in EN 1745:2002 for renders and plasters intended to be used in elements subject to thermal requirements. Tabulated values depending on the density are given in Table A.12 of EN 1745:2002

4.7 Reaction to fire

Renders and plasters containing a mass or volume fraction determined according to EN 13820 of ≤ 1,0 % of homogeneously distributed organic materials are classified as reaction to fire Class A1 without the need to test.

NOTE 1 See Commission Decision 96/603/EC for classification A1 as amended by the Commission Decision 2003/424/EC of 6 June 2003.

Renders and plasters containing a mass fraction determined according to EN 13820 of > 1,0 % of homogeneously distributed organic materials shall be tested, using the test method(s) relevant for the corresponding reaction to fire class, in order to be classified according to EN 13501-1.

NOTE 2 Otherwise as demonstrated by the test method, experience has shown that renders and plasters applied in quantities < 3,5 kg/m² could be considered as Class C.

4.8 Summary of specifications

Table 3 — Specifications on renders and plasters based on organic binders

| | Characteristic | Test method | Requirements |
|-----|---|---------------|----------------------------|
| 4.2 | Water vapour permeability (for renders) | EN ISO 7783-2 | Declared <i>V</i> category |
| 4.3 | Water absorption (for renders) | EN 1062-3 | Declared <i>W</i> category |
| 4.4 | Adhesion (for renders and plasters) | EN 1542 | ≥ 0,3 MPa |
| 4.5 | Durability (only for renders if $w > 0,5 \text{ kg}/(\text{m}^2 \cdot \text{d}^{0,5})$) | EN 13687-3 | ≥ 0,3 MPa |
| 4.6 | Thermal conductivity (for use in elements subject to thermal requirements) | EN 1745 | Declared value λ |
| 4.7 | Reaction to fire (for renders and plasters) | EN 13501-1 | Euroclass A.1 to F |

5 Description and designation

5.1 Description

The state of the render or plaster shall be described as one of the following:

- 1) Water-dilutable: product dissolved or dispersed in water. Viscosity adjustment is performed with water;
- 2) Solvent-dilutable: product dissolved or dispersed in organic solvents. Viscosity adjustment is performed with organic solvents;
- 3) Powder form: product to be mixed with water in order to achieve a paste consistency.

5.2 Designation

Designation of the render or plaster shall be given by:

- 1) brand name;
- 2) intended use for exterior and/or interior;
- 3) product type according to 5.1;
- 4) characteristics and categories according to clause 4;
- 5) name and address of the manufacturer;
- 6) date or code of production;
- 7) number and date of issue of this European Standard (EN 15824:2009);
- 8) instructions for use and field of application, e.g.:

- a) mixing procedure;
- b) mode of application;
- c) number of coats;
- d) information about coverage.

NOTE Information about special properties can be included when it is intended to use the render or plaster in specific conditions.

6 Marking and labelling

The designation (see 5.2) and abbreviation identifying the product shall be marked on the packaging, delivery ticket and/or the manufacturer's data sheet or other information accompanying the product.

NOTE For CE marking and labelling, clause ZA.3 applies. When Annex ZA.3 requires the CE marking to be accompanied by specific information from the list here above, relevant requirements can be considered to have been met.

7 Evaluation of conformity

7.1 General

Conformity assessment is needed to demonstrate, by **Initial Type Testing ITT** (see 7.2), that the product complies with the requirements of this European Standard and that the performance declarations represent the true behaviour of the product and by **Factory Production Control FPC** (see 7.3), that the performance declarations based on initial type testing results remain valid for subsequent products.

The manufacturer or his agent shall demonstrate the compliance for his product with the requirements of this European standard by carrying out both ITT and FPC and is responsible for the product being in compliance with all the provisions.

7.2 Initial Type Tests (ITT)

After completion of the development of a new product type and before the commencement of the manufacture and the offering for sale, appropriate initial type testing shall be carried out that the properties predicted during the development meet the requirements of this standard and the values to be declared for the product.

For the verification of product characteristics requiring expensive and complicated special testing which is needed to be performed only during ITT, an individual manufacturer may use the ITT results obtained by someone else (another manufacturer) or carried out by industry to justify his own declaration of conformity regarding a product that he considers to be the same, provided that permission is given, and the test is valid for both products.

Where a manufacturer produces the same product on more than one production line or unit, or in more than one factory, there may be no need to repeat ITT for these different production lines or units (the manufacturer takes responsibility for ensuring that the products are indeed the same).

7.2.1 Sampling

Sampling shall be carried out in accordance with EN ISO 15528 for renders and plasters in paste form, or EN 1015-2 for renders and plasters in powder form.

7.2.2 Reference test

The tests to be conducted shall be reference tests as described in this standard for properly dried and hardened product properties according to paragraph 5, consistent with the product type's intended use.

7.2.3 Repeating of initial type test

Initial type test shall also be carried out on existing products when a change in the basic materials or manufacturing procedures leads to the manufacturers consider to be a change in the product designation or the use of the product. In these cases the appropriate initial type tests carried out are those for the properties which are affected or need confirming and any new properties introduced by a change of use.

7.2.4 Recording

The results of the initial type tests shall be recorded.

7.2.5 Application of test methods

As defined in the relevant clauses defining the requirements, tests could not be performed when the declaration of characteristics is based on tabulated values.

NOTE For CE marking, where some characteristics are not subject to regulations, it might be possible using the NPD option (see Annex ZA).

7.3 Factory Production Control (FPC)

7.3.1 General

The manufacturer shall establish, document and maintain a FPC-system to enable continuing conformity with the standard and the declared values of the product placed on the market.

The FPC-system shall consist of procedures for process control (incoming raw material and production process), finished products (tests on finished products and test equipment), and traceability treatment of non-conforming products.

Any FPC system complying with EN ISO 9001, and made specific to the requirements of this standard, is deemed to satisfy the requirement of FPC.

7.3.2 Process control

7.3.2.1 Incoming raw materials

The manufacture shall define the acceptance criteria of raw materials, and the procedures operated to ensure that these are met;

7.3.2.2 Production process

The relevant features of the production processes shall be defined giving the frequency of the manufacturer's inspection checks, together with the required criteria and the required in-progress product characteristics. Actions to be taken when the criteria or the product characteristics are not achieved shall be specified by the manufacturer within the FPC documentation.

All production equipment that has an influence on the declared values shall be controlled and regularly inspected according to the documented procedures, frequencies and criteria.

7.3.3 Finished product conformity

7.3.3.1 Tests on the finished product

The FPC system shall incorporate a sampling plan containing the frequencies of testing of the products. The results of testing shall be recorded.

For production evaluation the manufacturer shall define the conformity criteria in the FPC documentation.

Alternative methods of test, to the reference methods specified in this European Standard may be adopted except for initial type tests and in case of dispute, provided that these alternative methods satisfy the following:

- a) a correlation can be demonstrated between the results from the reference test and those from the alternative test and
- b) the information is available on which the correlation is based on.

The sampling shall be representative for the production.

The results of testing shall meet the specified compliance criteria and shall be recorded.

7.3.3.2 Test equipment

All weighing, measuring and testing equipment which has an influence on the declared values shall be calibrated and regularly inspected in accordance with the documented procedures and frequencies, as stated in the FPC manual.

7.3.4 Statistical techniques

Where and when possible and applicable, the results of inspections and testing shall be interpreted by means of statistical techniques, by attributes or by variables, to verify the product characteristics and to determine if the production conforms to the compliance criteria and the product conforms to the declared values.

7.3.5 Traceability – marking and stock control of products

The marking and stock control shall be documented. Products shall be identifiable and traceable with regard to their production origin.

7.3.6 Non conforming products

The procedure for dealing with non conforming products shall be documented. Products that do not conform to the requirements shall be segregated and marked accordingly. However, these may be reclassified by the manufacturer and given different declared values. The manufacturer shall take action to avoid a recurrence of the non conformity.

Annex ZA (informative)

Clauses of this European Standard addressing the provisions of the EU Construction Products Directive

ZA.1 Scope and relevant characteristics

This European Standard has been prepared under Mandate 116¹⁾ "Masonry and related products", given to CEN by the European Commission and the European Free Trade Association.

The clauses of this European Standard shown in this Annex meet the requirements of the mandate given under the EU Construction Products Directive (89/106 EEC).

Compliance with these clauses confers a presumption of fitness of the renders and plasters covered by this Annex for the intended uses indicated herein; reference shall be made to the information accompanying the CE marking.

WARNING — Other requirements and other EU Directives, not affecting the fitness of intended use(s), can be applicable to the renders and plasters falling within the scope of this European Standard.

NOTE 1 In addition to any specific clauses relating to dangerous substances contained in this European Standard, there might be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the EU Construction Products Directive, these requirements need also to be complied with, when and where they apply.

NOTE 2 An informative database of European and national provisions on dangerous substances is available at the Construction Web site on EUROPA (accessed through http://ec.europa.eu/enterprise/construction/internal/dangsub/dangmain_en.htm).

This Annex establishes the conditions for the CE marking of the organic renders and plasters intended for the uses indicated in Table ZA.1 and shows the relevant clauses applicable.

This Annex has the same scope as Clause 1 of this European Standard and is defined by table ZA.1.

1) as amended

Table ZA.1 — Relevant clauses for external renders and internal plasters and intended use

| Product: Factory-made organic external renders and internal plasters as covered in Clause 1 of this European Standard. | | | |
|---|--|------------------------------|--|
| Intended use: On external or internal walls, ceilings, columns and partitions as covered by the scope of this European Standard. | | | |
| Essential Characteristics | Requirement clauses in this European Standard | Levels and/or classes | Notes/ Type of declaration |
| Water vapour permeability (for external renders) | 4.2 Table 1 | None | Category |
| Water absorption (for external renders) | 4.3 Table 2 | None | Category |
| Adhesion (for external renders and internal plasters) | 4.4 | None | Declared value (MPa) |
| Durability (for external renders) | 4.5 | None | Declared value (MPa) |
| Thermal conductivity (for external renders and internal plasters, if relevant) | 4.6 | None | Declared value (W/(m · K)) |
| Reaction to fire (for external renders and internal plasters) | 4.7 | Euroclass | Declared Euroclass |
| Dangerous substances | ZA.1 see Note above | None | According to ZA.3 (penultimate paragraph) |

The requirement on a certain essential characteristic is not applicable in those Member States where there are no regulatory requirements on that characteristic for the intended use of the product. In this case, manufacturers placing their products on the market of these Member States are not obliged to determine nor declare the performance of their products with regard to this characteristic and the option “No performance determined” (NPD) in the information accompanying the CE marking (see Clause ZA.3) may be used. The NPD option shall not be used, however, where the characteristic is subject to a threshold level.

ZA.2 Procedure for the attestation of conformity for renders and plasters

ZA.2.1 Systems of attestation of conformity

The systems of attestation of conformity of renders and plasters indicated in Table ZA.1, in accordance with the Decision of the Commission 97/740/EC of 14 October 1997 as amended by 01/596/EC of 2001-01-08 (published under L 209 of OJEU, 2001-08-01) and as given in Annex III of the mandate M 116 for “Masonry and related products” are shown in Table ZA.2 for the indicated intended use(s) and relevant levels or class(es).

Table ZA.2 — System(s) of attestation of conformity

| Product(s) | Intended use(s) | Level(s) or class(es) | Attestation of conformity system(s) |
|---|--|---|--|
| Factory made organic external renders and internal plasters | For all use(s) when subject to regulations on reaction to fire | (A1, A2, B, C) ^a | 1 |
| | | ----- (A1, A2, B, C) ^b , D, E | 3 |
| | | ----- (A1 to E) ^c , F | 4 |
| Factory made organic external renders and internal plasters | On external or internal walls, ceilings, columns and partitions as covered by the scope of this European Standard. | — | 4 |
| System 1: See Directive 89/106/EEC (CPD) Annex III.2.(i), without audit testing of samples. System 3: See Directive 89/106/EEC (CPD) Annex III.2.(ii), Second possibility. System 4: See Directive 89/106/EEC (CPD) Annex III.2.(ii), Third possibility. | | | |
| ^a Products/materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material). ^b Products/materials not covered by footnote a ^c Products/materials that are not required to be tested for reaction to fire (e.g. products/materials of Class A1 according to the Decision 96/603/EC, as amended). | | | |

The attestation of conformity of renders and plasters indicated in Table ZA.1 shall be based on the evaluation of conformity procedures indicated in Tables ZA.3.1 to ZA 3.3 resulting from the application of the clauses of this European Standard.

Table ZA.3.1 — Assignment of evaluation of conformity tasks for renders and plasters of Euroclasses (A1, A2, B, C)²⁾ under system 1

| Tasks | | Content of the task | Evaluation of conformity clauses to apply |
|--|---|--|---|
| Tasks under the responsibility of the manufacturer | Factory production control (FPC) | Parameters related to all characteristics of Table ZA.1 relevant for the intended use | 7.3 |
| | Further testing of samples taken at factory | All characteristics of Table ZA.1 relevant for the intended use | 7.2.3 |
| | Initial type testing by the manufacturer | <i>"Those characteristics of Table ZA.1 relevant for the intended use except reaction to fire"</i> | 7.2 |
| Tasks under the responsibility of the product certification body | Initial type testing | Reaction to fire | 7.2 |
| | Initial inspection of factory and of FPC | Parameters related to all characteristics of Table ZA.1, relevant for the intended use, in particular: <i>"reaction to fire"</i> | 7.3 |
| | Continuous surveillance, assessment and approval of FPC | Parameters related to all characteristics of Table ZA.1, relevant for the intended use, in particular: <i>"reaction to fire"</i> | 7.3 |

2) Products/materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material).

Table ZA.3.2— Assignment of evaluation of conformity tasks for renders and plasters of Euroclasses (A1, A2, B, C)³, D, E under system 3

| Tasks | | Content of the task | Evaluation of conformity clauses to apply |
|--|--|--|---|
| Tasks under the responsibility of the manufacturer | Factory production control (FPC) | Parameters related to all characteristics of Table ZA.1 relevant for the intended use | 7.3 |
| | Initial type testing by a notified test laboratory | " <i>reaction to fire</i> " | 7.2 |
| | Initial type testing by the manufacturer | " <i>Those characteristics of Table ZA.1 relevant for the intended use except reaction to fire</i> " | 7.2 |

Table ZA.3.3 — Assignment of evaluation of conformity tasks for renders and plasters of Euroclasses (A1 to E)⁴, F under system 4

| Tasks | | Content of the task | Evaluation of conformity clauses to apply |
|----------------------------|----------------------------------|--|---|
| Tasks for the manufacturer | Factory production control (FPC) | Parameters related to all relevant characteristics of Table ZA.1 | 7.3 |
| | Initial type testing | All relevant characteristics of Table ZA.1 | 7.2 |

ZA.2.2 EC Certificate and Declaration of conformity

ZA.2.2.1 In case of products with system 1 for attestation of conformity

When compliance with the conditions of this Annex is achieved, the certification body shall draw up a certificate of conformity (EC Certificate of conformity), which entitles the manufacturer to affix the CE marking. The certificate shall include:

- a) name, address and identification number of the certification body,
- b) name and address of the manufacturer, or his authorised representative established in the EEA, and place of production,
NOTE 1 The manufacturer may also be the person responsible for placing the product onto the EEA market, if he takes responsibility for CE marking.
- c) description of the product (type, identification, use, ...),
- d) provisions to which the product conforms (i.e. Annex ZA of this EN),

3) Products/materials not covered by Footnote 2.

4) Products/materials that are not required to be tested for reaction to fire (e.g. products/materials of Class A1 according to the Decision 96/603/EC, as amended).

- e) particular conditions applicable to the use of the product (e.g. provisions for use under certain conditions),
- f) the number of the certificate,
- g) conditions of validity of the certificate, where applicable,
- h) name of, and position held by, the person empowered to sign the certificate.

In addition, the manufacturer shall draw up and retain a declaration of conformity (EC Declaration of conformity) including the following:

- i) name and address of the manufacturer, or his authorised representative established in the EEA,
- j) name and address of the certification body,
- k) description of the product (type, identification, use, ...), and a copy of the information accompanying the CE marking,

NOTE 2 Where some of the information required for the Declaration is already given in the CE marking information, it does not need to be repeated.

- l) provisions to which the product conforms (i.e. Annex ZA of this EN), and a reference to the ITT report(s) and factory production control records (if appropriate),
- m) particular conditions applicable to the use of the product (e.g. provisions for use under certain conditions),
- n) number of the accompanying EC Certificate of conformity,
- o) name of, and position held by, the person empowered to sign the declaration on behalf of the manufacturer or of his authorised representative.

ZA.2.2.2 In case of products with system 3 for attestation of conformity

When compliance with the conditions of this Annex is achieved, the manufacturer or his agent established in the EEA shall draw up and retain a declaration of conformity (EC Declaration of conformity), which entitles the manufacturer to affix the CE marking. This declaration shall include:

- a) name and address of the manufacturer, or his authorised representative established in the EEA, and place of production,

NOTE 1 The manufacturer may also be the person responsible for placing the product onto the EEA market, if he takes responsibility for CE marking.

- b) description of the product (type, identification, use, ...), and a copy of the information accompanying the CE marking,

NOTE 2 Where some of the information required for the Declaration is already given in the CE marking information, it does not need to be repeated.

- c) provisions to which the product conforms (i.e. Annex ZA of this EN), and a reference to the ITT report(s) and factory production control records (if appropriate),
- d) particular conditions applicable to the use of the product, (e.g. provisions for use under certain conditions),
- e) name and address of the notified laboratory(ies),

- f) name of, and position held by, the person empowered to sign the declaration on behalf of the manufacturer or his authorised representative.

ZA.2.2.3 In case of products with system 4 for attestation of conformity

When compliance with this Annex is achieved, the manufacturer or his agent established in the EEA shall draw up and retain a declaration of conformity (EC Declaration of conformity), which entitles the manufacturer to affix the CE marking. This declaration shall include:

- a) name and address of the manufacturer, or his authorised representative established in the EEA, and place of production,

NOTE 1 The manufacturer may also be the person responsible for placing the product onto the EEA market, if he takes responsibility for CE marking.

- b) description of the product (type, identification, use,...), and a copy of the information accompanying the CE marking,

NOTE 2 Where some of the information required for the Declaration is already given in the CE marking information, it does not need to be repeated.

- c) provisions to which the product conforms (i.e. Annex ZA of this EN), and a reference to the ITT report(s) and factory production control records (if appropriate),
- d) particular conditions applicable to the use of the product (e.g. provisions for use under certain conditions),
- e) name of, and position held by, the person empowered to sign the declaration on behalf of the manufacturer or of his authorised representative.

The above mentioned declaration and certificate shall be presented in the language or languages accepted in the Member State in which the product is to be used.

ZA.3 CE marking and labelling accompanying the product

The manufacturer, or their authorized representative established within the EEA, is responsible for the affixing of the CE marking. The CE marking symbol to affix shall be in accordance with Directive 93/68/EEC and shall be shown on the packaging or an accompanying label or on the accompanying commercial documents, e.g. the delivery note. The following information shall accompany the CE marking symbol:

- a) name or identifying mark and registered address of the producer;
- b) the last two digits of the year in which the marking is affixed;
- c) reference to this European Standard;
- d) description of the product: see 5.1 of this European Standard and intended use(s) in Table ZA.1 of this Annex;
- e) information on the relevant essential characteristics in Table ZA.1 presented as declared values and, where relevant, level or class to declare for each essential characteristic as indicated in the column "Notes/Type of declaration" of Table ZA.1;
- f) No performance determined" (NPD) for characteristics where this is not relevant.

The “No performance determined” option shall not be used where the characteristic is subject to a threshold level. Otherwise, the NPD option may be used when and where the characteristic, for a given intended use, is not subject to regulatory requirements.

Figure ZA.1 gives an example of the information to be given on the packaging, label and/or commercial documents (for system 1).


| | |
|--|---|
|  0123 | <p><i>CE conformity marking, consisting of the “CE” symbol given in Directive 93/68/EEC.</i></p> <p><i>Identification number of the certification body</i></p> |
| AnyCo Ltd, PO Box 21, B-1050 08 0123-CPD-00234 | <p><i>Name or identifying mark and registered address of the producer</i></p> <p><i>Last two digits of the year in which the marking was affixed</i></p> <p><i>Certificate number</i></p> |
| EN 15824 External render based on organic binder Water vapour permeability: V_2 Water absorption: W_2 Adhesion: 0,3 MPa Durability: NPD Thermal conductivity: $\lambda = 0,5 \text{ W/(m} \cdot \text{K)}$ Reaction to fire: Euroclass B | <p><i>No. of European Standard</i></p> <p><i>Description of product type</i></p> <p><i>and</i></p> <p><i>information on regulated characteristics</i></p> |

Figure ZA.1 — Example of CE marking with complete information under system 1

Figure ZA.2 gives an example of the information to be given on the packaging, label and/or commercial documents (for system 3 or 4).


| | |
|--|--|
|  | <p><i>CE conformity marking, consisting of the “CE” symbol given in Directive 93/68/EEC.</i></p> |
| <p>AnyCo Ltd, PO Box 21, B-1050</p> <p>08</p> | <p><i>Name or identifying mark and registered address of the producer</i></p> <p><i>Last two digits of the year in which the marking was affixed</i></p> |
| <p>EN 15824</p> <p>External render based on organic binder</p> <p>Water vapour permeability: V_2</p> <p>Water absorption: W_2</p> <p>Adhesion: 0,3 MPa</p> <p>Durability: NPD</p> <p>Thermal conductivity: $\lambda = 0,5 \text{ W}/(\text{m} \cdot \text{K})$</p> <p>Reaction to fire: Euroclass B</p> | <p><i>No of European Standard</i></p> <p><i>Description of product type</i></p> <p><i>and</i></p> <p><i>information on regulated characteristics</i></p> |

Figure ZA.2 — Example of CE marking with complete information under system 3 or 4

For some products it may be appropriate to specify a combination of location for the CE marking symbol and the accompanying information. For example a minimum of information could appear on the packaging, with the complete information appearing on the accompanying commercial documents.

Where the information is split in this way, the commercial documents shall also include the information already on the packaging (see the example Figure ZA.1 or ZA.2 respectively).

Bibliography

- [1] EN 1062-1, *Paints and varnishes — Coating materials and coating systems for exterior masonry and concrete — Part 1: Classification*
- [2] EN 13300, *Paints and varnishes — Water-borne coating materials and coating systems for interior walls and ceilings – Classification*
- [3] 2003/424/EC, *Commission Decision of 6 June 2003 amending Decision 96/603/EC establishing the list of products belonging to Classes A "No contribution to fire" provided for in Decision 94/611/EC implementing Article 20 of Council Directive 89/106/EEC on construction products (Text with EEA relevance) (notified under document number C(2003) 1673).*

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