SLOVENSKI STANDARD
SIST EN 14195:2015/oprA1:2018

01-februar-2018

Elementi za kovinske konstrukcije za sisteme mavčnih plošč - Definicije, zahteve in preskusne metode

Metal framing components for gypsum board systems - Definitions, requirements and test methods

Metall-Unterkonstruktionsbauteile für Gipsplatten-Systeme - Begriffe, Anforderungen und Prüfverfahren

Éléments d'ossature métalliques pour systèmes en plaques de plâtre - Définitions, spécifications et méthodes d'essai

Ta slovenski standard je istoveten z: **EN 14195:2014/prA1**

ICS:

77.140.70	Jekleni profili	Steel profiles
91.100.10	Cement. Mavec. Apno. Malta	Cement. Gypsum. Lime. Mortar

SIST EN 14195:2015/oprA1:2018 **en,fr,de**

EUROPEAN STANDARD

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EN 14195:2014

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ICS 77.140.70; 91.100.10

English Version

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Metall-Unterkonstruktionsbauteile für Gipsplatten-Systeme - Begriffe, Anforderungen und Prüfverfahren

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 241.

This draft amendment A1, if approved, will modify the European Standard EN 14195:2014. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 14195:2014/prA1:2017) has been prepared by Technical Committee CEN/TC 241 "Gypsum and gypsum based products", the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of Regulation (EU) No. 305/2011.

For relationship with Regulation (EU) No. 305/2011, see informative Annex ZA which is an integral part of EN 14195:2014.

1 Modification to 4.1, Reaction to fire

Replace the second paragraph with the following:

“For the purpose of classification in classes other than class A1 the metal components shall be tested in accordance with EN 13501-1 using mounting and fixing defined in Annex F of this standard."

And add the following note at the end:

NOTE Information on Reaction to fire classes are given in Commission Decision 96/603/EC, as amended.”

2 Modification to 4.2, Flexural tensile strength (expressed as yield strength)

Replace:

"The yield strength shall be at least 140 N/mm^2"

with the following:

"The yield strength shall be given in N/mm^2."

Add the following note at the end of the paragraph:

"NOTE EN 1993-1-3:2006 + AC:2009 (Eurocode 3), Table 3.1b, footnote 1, provides further information on yield strength values for the design of structures."

3 Modification to 4.3, Dangerous substances

Replace the hyperlink in the note in Subclause 4.3 with the following:

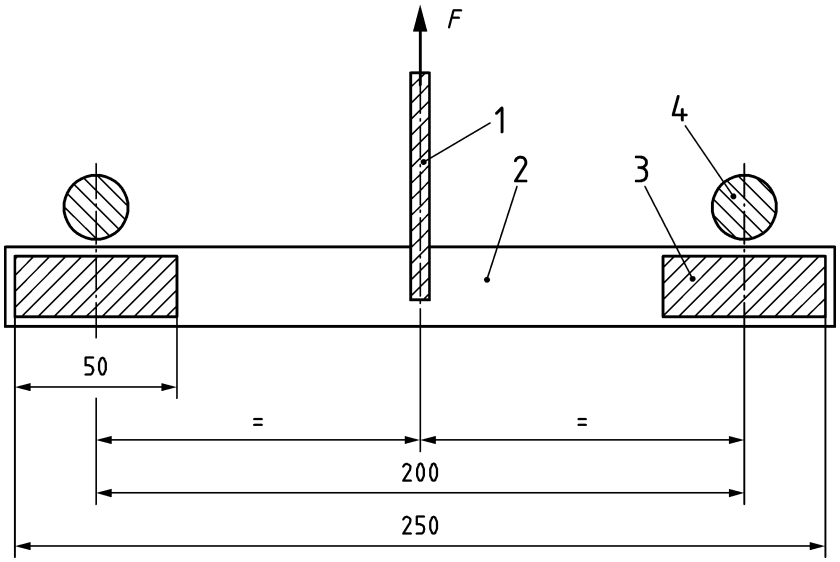
“https://ec.europa.eu/growth/tools-databases/cp-ds”

4 Modification to 5.2.1, Determination of mechanical strength of metal suspension components

Add the following to the first paragraph:

"Figure 8 shows the principle set-up of suspension test. Figure 9 shows examples of different suspension components.”

Replace Figure 8 with the following:



Key

1 Suspension (top fixing or substructure profile)

2 Supporting member / channel / profile

3 Short wood batten

4 Round steel ø 20 mm"

Figure 8 — Principle set-up for suspension test

Replace the second paragraph with the following:

"Figure 10 and Figure 11 show examples of different connections between top fixing and suspension and examples of different connections between suspension and channel / profile.

Connecting components (e.g. wire clips, channel connectors, screws) shall be tested in a similar way using the components to be connected (e.g. primary and secondary profile, see Figure 12)."

5 Modification to 6, Assessment and verification of constancy of performance — AVCP

Replace Clause 6 with the following Clause 6:

"**6 Assessment and verification of constancy of performance — AVCP**

6.1 General

The compliance of metal framing components for gypsum board systems with the requirements of this standard and with the performances declared by the manufacturer in the DoP shall be demonstrated by:

— determination of the product type

— factory production control by the manufacturer, including product assessment.

The manufacturer shall always retain the overall control and shall have the necessary means to take responsibility for the conformity of the product with its declared performance(s).

6.2 Type testing

6.2.1 General

All performances related to characteristics included in this standard shall be determined when the manufacturer intends to declare the respective performances unless the standard gives provisions for declaring them without performing tests. (e.g. use of previously existing data, CWFT and conventionally accepted performance).

Assessment previously performed in accordance with the provisions of this standard, may be taken into account provided that they were made to the same or a more rigorous test method, under the same AVCP system on the same product or products of similar design, construction and functionality, such that the results are applicable to the product in question.

NOTE 1 Same AVCP system means testing by an independent third party (applies only for products covered by system 1+, 1 and 3), under the responsibility of a notified product certification body (applies only for products covered by system 1+ and 1).

For the purposes of assessment, the manufacturer's products may be grouped into families, where it is considered that the results for one or more characteristics from any one product within the family are representative for that same characteristics for all products within that same family.

NOTE 2 Products may be grouped in different families for different characteristics.

NOTE 3 Reference to the assessment method standards should be made to allow the selection of a suitable representative sample.

In addition, the determination of the product type shall be performed for all characteristics included in the standard for which the manufacturer declares the performance:

— at the beginning of the production of a new or modified metal framing component for gypsum board systems (unless a member of the same product range), or

— at the beginning of a new or modified method of production (where this may affect the stated properties); or

they shall be repeated for the appropriate characteristic(s), whenever a change occurs in the metal framing components for gypsum board systems design, in the raw material or in the supplier of the components, or in the method of production (subject to the definition of a family), which would affect significantly one or more of the characteristics.

Where components are used whose characteristics have already been determined, by the component manufacturer, on the basis of assessment methods of other product standards, these characteristics need not be re-assessed. The specifications of these components shall be documented.

Products bearing regulatory marking in accordance with appropriate harmonized European specifications may be presumed to have the performances declared in the DoP, although this does not replace the responsibility on the metal framing components for gypsum board systems manufacturer to ensure that the metal framing components for gypsum board systems as a whole is correctly manufactured and its component products have the declared performance values.

6.2.2 Test samples, testing and compliance criteria

The number of samples of metal framing components for gypsum board systems to be tested/assessed shall be in accordance with Clause 5.

6.2.3 Test reports

The results of the determination of the product type shall be documented in test reports. All test reports shall be retained by the manufacturer for at least 10 years after the last date of production of the metal framing components for gypsum board systems to which they relate.

6.2.4 Shared other party results

A manufacturer may use the results of the product type determination obtained by someone else (e.g. by another manufacturer, as a common service to manufacturers, or by a product developer), to justify his own declaration of performance regarding a product that is manufactured according to the same design (e.g. dimensions) and with raw materials, constituents and manufacturing methods of the same kind, provided that:

— the results are known to be valid for products with the same essential characteristics relevant for the product performance;

— in addition to any information essential for confirming that the product has such same performances related to specific essential characteristics, the other party who has carried out the determination of the product type concerned or has had it carried out, has expressly accepted[1)] to transmit to the manufacturer the results and the test report to be used for the latter's product type determination, as well as information regarding production facilities and the production control process that can be taken into account for FPC;

— the manufacturer using other party results accepts to remain responsible for the product having the declared performances and he also:

  — ensures that the product has the same characteristics relevant for performance as the one that has been subjected to the determination of the product type, and that there are no significant differences with regard to production facilities and the production control process compared to that used for the product that was subjected to the determination of the product type; and

  — keeps available a copy of the determination of the product type report that also contains the information needed for verifying that the product is manufactured according to the same design and with raw materials, constituents and manufacturing methods of the same kind.

6.2.5 Cascading determination of the product type results

For some construction products, there are companies (often called "system houses") which supply or ensure the supply of, on the basis of an agreement,[2)] some or all of the components (e.g. in case of windows: profiles, gaskets, weather strips)[3)] to an assembler who then manufactures the finished product (referred to below as the "assembler") in his factory.

Provided that the activities for which such a system house is legally established include manufacturing/assembling of products as the assembled one, the system house may take the responsibility for the determination of the product type regarding one or several essential

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1) The formulation of such an agreement can be done by licence, contract, or any other type of written consent.

2) This can be, for instance, a contract, license or whatever kind of written agreement, which should also contain clear provisions with regard to responsibility and liability of the component producer (system house, on the one hand, and the assembler of the finished product, on the other hand.

3) These companies may produce components but they are not required to do so.