SVENSK STANDARD
SS-EN 14566:2008+A1:2009

Fastställd/Approved: 2009-08-17
Publicerad/Published: 2009-09-15
Utgåva/Edition: 1
Språk/Language: engelska/English
ICS: 21.060.99; 91.100.10

Fästdon för montering av gipsskivor – Definitioner, krav och provningsmetoder

Mechanical fasteners for gypsum plasterboard systems – Definitions, requirements and test methods

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

SWEDISH STANDARDS INSTITUTE

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

Hitta rätt produkt och ett leveranssätt som passar dig

Standarder
Genom att följa gällande standard både effektiviserar och säkrar du ditt arbete. Många standarder ingår dessutom ofta i paket.

Tjänster
Abonnemang är tjänsten där vi uppdaterar dig med aktuella standarder när förändringar sker på dem du valt att abonnera på. På så sätt är du säker på att du alltid arbetar efter rätt utgåva.
e-nav är vår online-tjänst som ger dig och dina kollegor tillgång till standarder ni valt att abonnera på dygnet runt. Med e-nav kan samma standard användas av flera personer samtidigt.

Leveranssätt
Du väljer hur du vill ha dina standarder levererade. Vi kan erbjuda dig dem på papper och som pdf.

Andra produkter
Vi har böcker som underlättar arbetet att följa en standard. Med våra böcker får du ökad förståelse för hur standarder ska följas och vilka fördelar den ger dig i ditt arbete. Vi tar fram många egna publikationer och fungerar även som återförsäljare. Det gör att du hos oss kan hitta över 500 unika titlar. Vi har även tekniska rapporter, specifikationer och "workshop agreement". Matriser är en översikt på standarder och handböcker som bör läsas tillsammans. De finns på sis.se och ger dig en bra bild över hur olika produkter hör ihop.

Standardiseringsprojekt
Du kan påverka innehållet i framtida standarder genom att delta i någon av SIS ca 400 Tekniska Kommittéer.

Find the right product and the type of delivery that suits you

Standards
By complying with current standards, you can make your work more efficient and ensure reliability. Also, several of the standards are often supplied in packages.

Services
Subscription is the service that keeps you up to date with current standards when changes occur in the ones you have chosen to subscribe to. This ensures that you are always working with the right edition.
e-nav is our online service that gives you and your colleagues access to the standards you subscribe to 24 hours a day. With e-nav, the same standards can be used by several people at once.

Type of delivery
You choose how you want your standards delivered. We can supply them both on paper and as PDF files.

Other products
We have books that facilitate standards compliance. They make it easier to understand how compliance works and how this benefits you in your operation. We produce many publications of our own, and also act as retailers. This means that we have more than 500 unique titles for you to choose from. We also have technical reports, specifications and workshop agreements. Matrices, listed at sis.se, provide an overview of which publications belong together.

Standardisation project
You can influence the content of future standards by taking part in one or other of SIS's 400 or so Technical Committees.

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

Europastandarden EN 14566:2008+A1:2009 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 14566:2008+A1:2009.

Denna standard ersätter SS-EN 14566:2008, utgåva 1.

The European Standard EN 14566:2008+A1:2009 has the status of a Swedish Standard. This document contains the official English version of EN 14566:2008+A1:2009.

This standard supersedes the Swedish Standard SS-EN 14566:2008, edition 1.

© Copyright/Upphovsrätten till denna produkt tillhör SIS, Swedish Standards Institute, Stockholm, Sverige. Användningen av denna produkt regleras av slutanvändarlicensen som återfinns i denna produkt, se standardens sista sidor.

© Copyright SIS, Swedish Standards Institute, Stockholm, Sweden. All rights reserved. The use of this product is governed by the end-user licence for this product. You will find the licence in the end of this document.

Upplysningar om sakinnehållet i standarden lämnas av SIS, Swedish Standards Institute, telefon 08-555 520 00.
Standarder kan beställas hos SIS Förlag AB som även lämnar allmänna upplysningar om svensk och utländsk standard.

Information about the content of the standard is available from the Swedish Standards Institute (SIS), tel +46 8 555 520 00.
Standards may be ordered from SIS Förlag AB, who can also provide general information about Swedish and foreign standards.

SIS Förlag AB, SE 118 80 Stockholm, Sweden. Tel: +46 8 555 523 10. Fax: +46 8 555 523 11.
E-mail: sis.sales@sis.se Internet: www.sis.se

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14566:2008+A1

August 2009

ICS 21.060.99; 91.100.10

Supersedes EN 14566:2008

English Version

Mechanical fasteners for gypsum plasterboard systems - Definitions, requirements and test methods

Fixations mécaniques pour systèmes en plaques de plâtre - Définitions, spécifications et méthodes d'essai

Mechanische Befestigungsmittel für Gipsplattensysteme - Begriffe, Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 30 January 2008 and includes Amendment 1 approved by CEN on 6 July 2009.

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.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

© 2009 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 14566:2008+A1:2009: E

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

Contents

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

Foreword

This document (EN 14566:2008+A1:2009) has been prepared by Technical Committee CEN/TC 241 “Gypsum and gypsum based products”, the secretariat of which is held by AFNOR.

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 February 2010, and conflicting national standards shall be withdrawn at the latest by February 2010.

This document includes Amendment 1, approved by CEN on 2009-07-06.

This document supersedes EN 14566:2008.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

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 EU Directive(s).

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

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 United Kingdom.

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

Introduction

Figures 1 and 2 show the relationship between this European Standard and the package of standards prepared to support the family of gypsum and ancillary products.

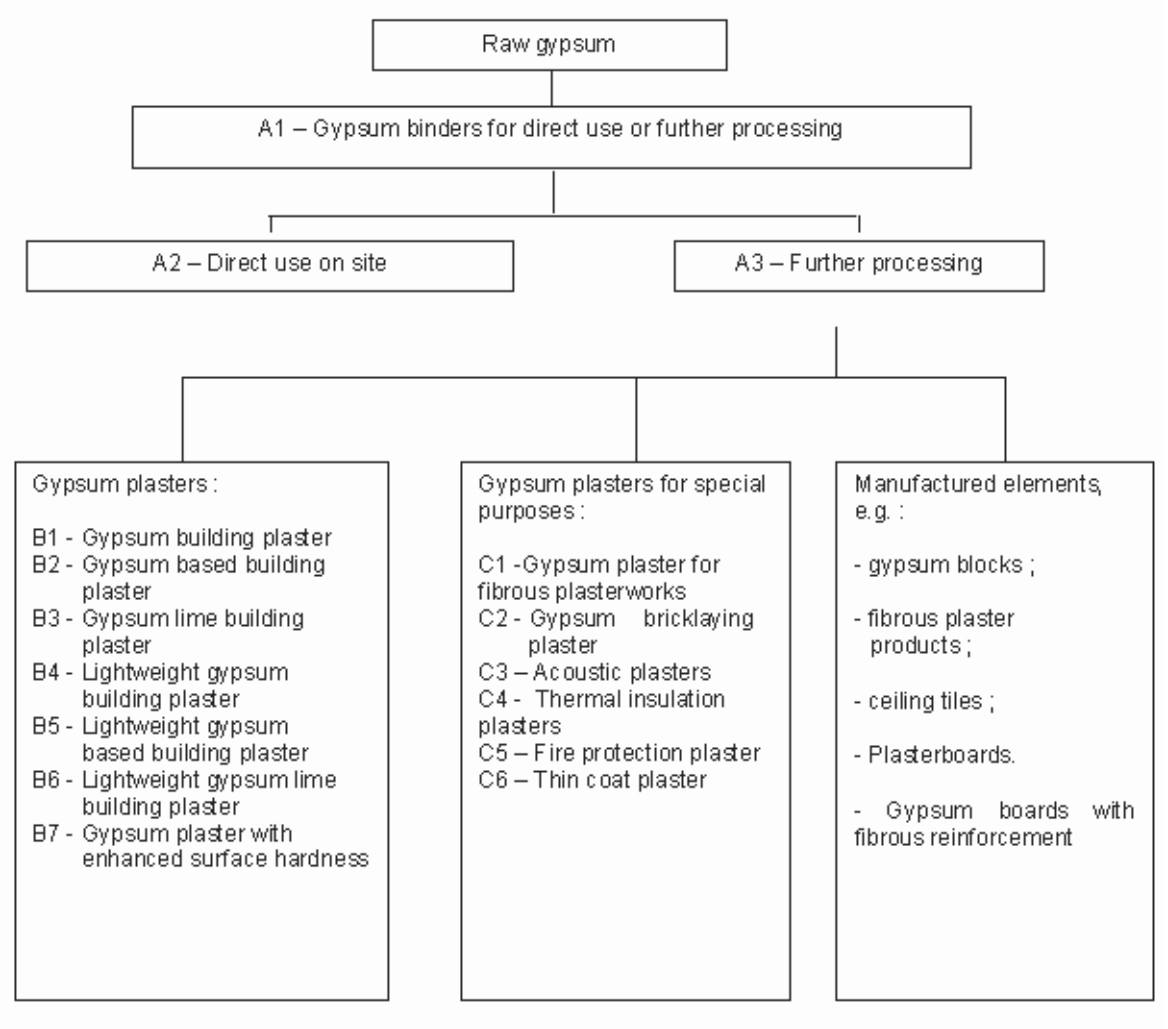

Figure 1 — Family of gypsum products

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

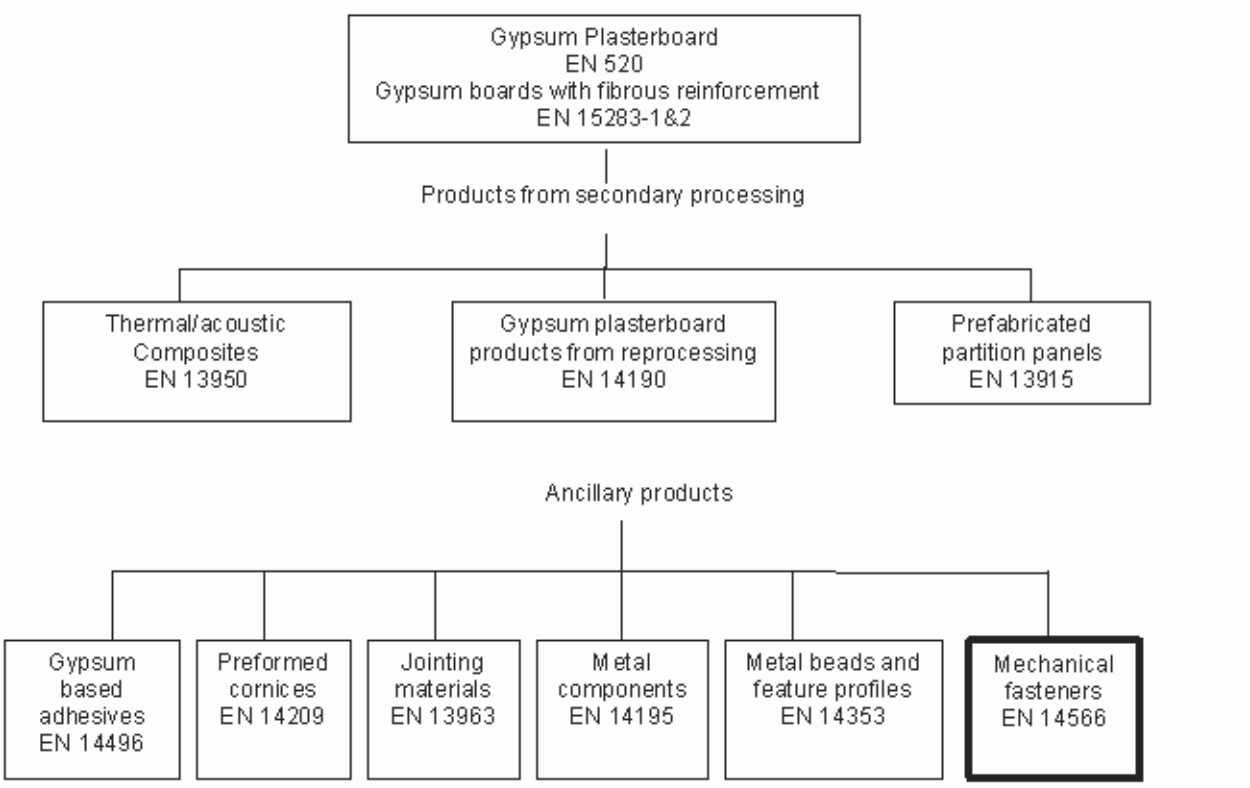

Figure 2 — Family of ancillary products

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

1 Scope

This European Standard specifies the characteristics and performance of mechanical fasteners, including nails, screws and staples, intended to be used for the fixing of gypsum plasterboard, gypsum boards with fibrous reinforcement, products from secondary processing and suitable ancillary products as shown in Figure 2, to timber and metal, as appropriate, in building construction works. The fasteners secure the board to the framing enabling its surface to be finished by jointing or plastering to receive decoration. They can also be used for the construction of the framing and for the connection between substructure and load bearing components and for fixing boards together. Mechanical fasteners contribute to the stability of the assembly.

This European Standard covers the following product performance characteristics: reaction to fire and flexural strength to be measured according to the corresponding European test methods.

It provides for the evaluation of conformity of the product to this European Standard.

This European Standard also covers the additional technical characteristics that are of importance for the use and acceptance of the products by the construction industry and the reference tests for these characteristics.

This European Standard does not cover nails, screws and staples intended for use with materials other than plasterboard and the plasterboard based products referred to above and their associated system components.

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 338, *Structural timber — Strength classes*

EN 520, *Gypsum plasterboards — Definitions, requirements and test methods*

EN 10016 (all parts), *Non-alloy steel rod for drawing and/or cold rolling*

[A1] EN 10083, *Steels for quenching and tempering*

EN 10084, *Case hardening steels — Technical delivery conditions* [A1]

EN 10230-1, *Steel wire nails — Part 1: Loose nails for general applications*

EN 10327, *Continuously hot-dip coated strip and sheet of low carbon steels for cold forming — Technical delivery conditions*

EN 14195, *Metal framing components for gypsum plasterboard systems — Definitions, requirements and test methods*

EN ISO 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T) (ISO 6508-1:2005)*

[A1] *deleted text* [A1]

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

EN ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227:2006)*

EN ISO 12777-3:2002, *Methods of test for pallet joints — Part 3: Determination of strength of pallet joints (ISO 12777-3:2002)*

This preview is downloaded from www.sis.se. Buy the entire standard via https://www.sis.se/std-70455

3 Terms and definitions

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

3.1 [A1] General terms [A1]

[A1] 3.1.1 [A1]
plasterboard nail
corrosion resistant steel wire nail with purpose made head, shank and point

NOTE Nails can vary in head profile, material and level of corrosion resistance. See [A1] Table 2 [A1] and Table A.1.

[A1] 3.1.2 [A1]
plasterboard screw
screw used without pilot holes for the assembly of plasterboard systems

NOTE Screws which go directly into plasterboard usually have a trumpet head. They are straight and free from burrs and capable of being driven by a power operated screwdriver. See Table A.2.

[A1] 3.1.3 [A1]
head
wide part of nail or screw used to drive the nail or screw into the materials to be joined

NOTE The head of nails can be one of two types according to function (see Table A.1). The surface can be smooth or chequered. The head of screws can be domed, flat or concave depending upon its use (see Table A.2).

[A1] 3.1.4 [A1]
point
sharp end opposite to the head which first penetrates the materials to be joined

NOTE The style and shape of the nail point is formed to permit entry and penetration of the timber.

[A1] 3.1.5 [A1]
shank
connection between the head and the point

NOTE Nails have a straight shank. The diameter of the round shank can vary according to length, function and thickness of the corrosion resistant treatment. It may be plain, have indentations, be annular ring rolled or may be separately treated to improve resistance to withdrawal.

[A1] 3.1.6 [A1]
thread
spiral extension to the shank of specific pitch and diameter appropriate to its function and use

NOTE The thread may be of single or multiple lead design.

[A1] 3.1.7 [A1]
plasterboard staple
double right angle, fastener, made from round, oval, square or rectangular wire, with two legs (shanks) usually of the same length connected by its crown (head) with the tips inclined, see Table A.4

NOTE Staples are U shaped, neatly formed and free from defects. Staples can be resin coated to increase withdrawal strength. The legs are straight and parallel and can be designed, in conjunction with the tip, to provide additional holding power when driven into substrate. The style and shape of the tips permit entry and guide and control the line and shape of the penetration of the timber or substrate. The tips have an inclined plane on one or both sides.

3.2 [A1] Symbols and abbreviations

For the purpose of simplification in product marking and performance information characteristics may be identified through the symbols and abbreviations given in Table 1.