

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

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ICS 21.060.99

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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 25 November 2007.

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Contents

	page
Foreword.....	3
Introduction	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Requirements	8
4.1 Reaction to fire.....	8
4.2 Flexural strength (bending behaviour).....	8
4.3 Release of (regulated) dangerous substances.....	8
4.4 Additional requirements	8
5 Test methods.....	10
5.1 General.....	10
5.2 Number of samples.....	11
5.3 Dimensional measurement	11
5.4 Determination of withdrawal force.....	11
5.5 Determination of bending behaviour	12
5.6 Drilling time test.....	13
5.7 Determination of the thickness and/or mass of coating	14
5.8 Determination of pull-through force	14
6 Evaluation of conformity.....	15
6.1 General.....	15
6.2 Type testing.....	16
6.3 Factory production control (FPC)	16
7 Designation	18
7.1 Nails	18
7.2 Screws	18
7.3 Staples	18
8 Marking, labelling and packaging	19
Annex A (informative) Examples of fixing types.....	20
Annex B (informative) Sampling procedure for testing.....	23
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive.....	25
Bibliography	29

Foreword

This document (EN 14566:2008) 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of an identical text or by endorsement, at the latest by July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

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

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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.

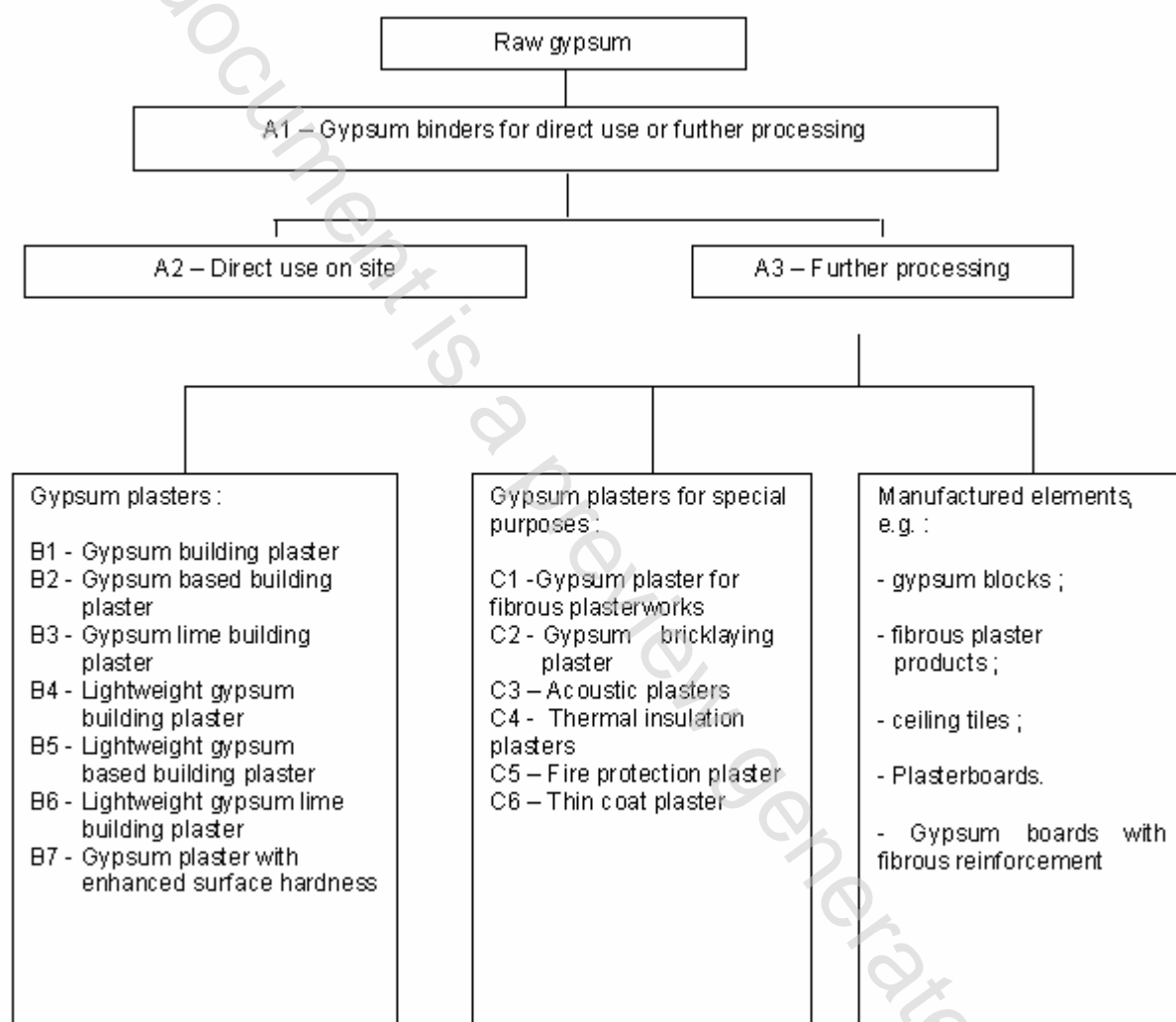


Figure 1 — Family of gypsum products

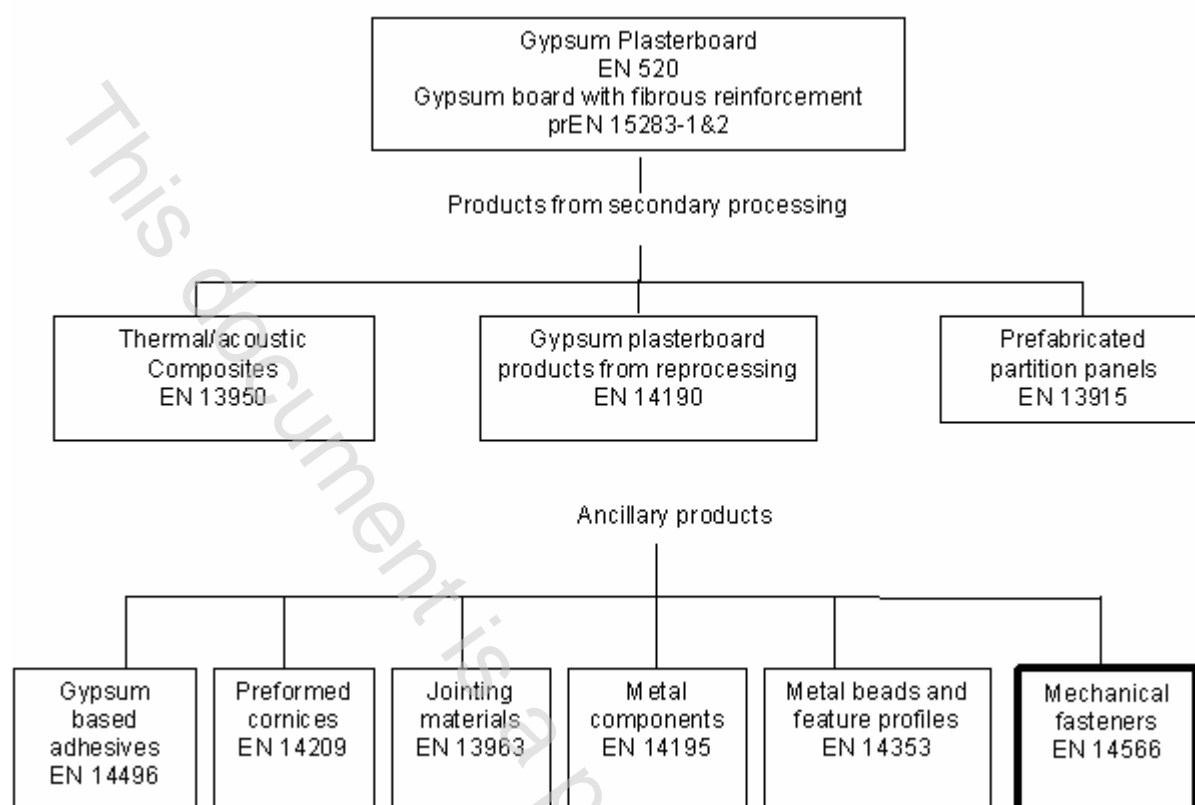


Figure 2 — Family of ancillary products

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*

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)*

EN ISO 7049, *Cross recessed pan head tapping screws (ISO 7049:1983)*

EN ISO 7050, *Cross recessed countersunk (flat) head tapping screws (common head style) (ISO 7050:1983)*

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)*