

IRISH STANDARD

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ICS 91.100.10

FIBROUS GYPSUM PLASTER CASTS DEFINITIONS, REQUIREMENTS AND TEST
METHODS

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 13815

August 2006

ICS 91.100.10

English Version

Fibrous gypsum plaster casts - Definitions, requirements and test methods

Produits en staff - Définitions, prescriptions et méthodes d'essai

Formteile aus faserverstärktem Gips - Begriffe, Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 19 June 2006.

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Foreword

This document (EN 13815:2006) 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of an identical text or by endorsement, at the latest by February 2007, and conflicting national standards shall be withdrawn at the latest by May 2008.

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.

This document replaces no existing European Standard.

This European Standard includes:

- an informative annex A concerning sampling procedure for testing;
- an normative annex B on the thermal conductivity of the gypsum plaster;
- an normative annex C concerning factory production control;
- an informative annex D illustrating the scope of this standard with regard to the classification of the categories of production of the fibrous gypsum plaster casts and to the intended uses;
- an informative annex ZA: providing information for regularity marking.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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.

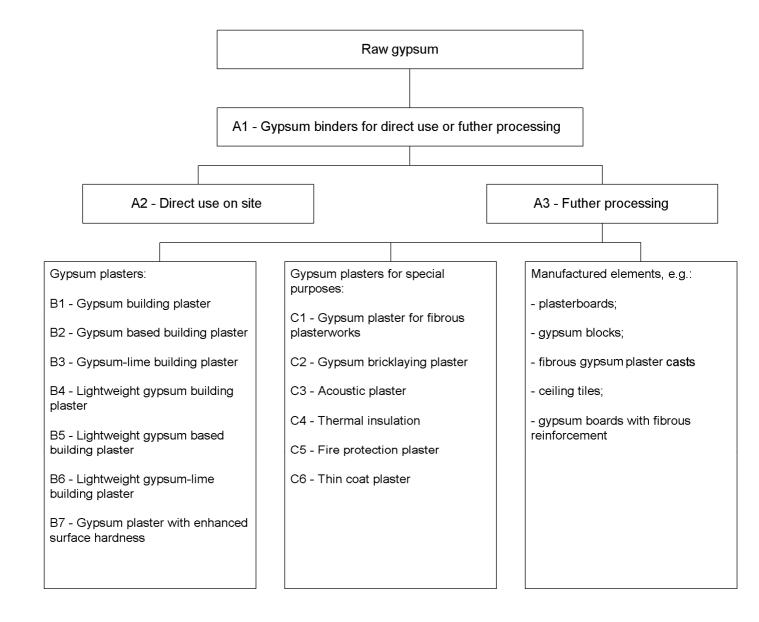
Introduction

This European Standard applies to fibrous gypsum plaster construction products, obtained by thin casting of a specific reinforced plaster and intended to be used in fibrous gypsum plaster structures.

The fibrous gypsum plaster structures are made by assembling these casts together and fastening them by sealed fixing or screwing to the substrate. They are then sealed and pointed to form continuous surfaces without any visible joint.

Fibrous gypsum plaster structures are suitable for finishing with direct surface decoration (e.g. paints).

The diagram below shows the family of gypsum products.



1 Scope

This European Standard specifies the characteristics and performance requirements for fibrous gypsum plaster castsections, rigid sheets, rigid tiles - made by various techniques in factories or workshops.

This European Standard is applicable to:

- conventional series produced products;
- series produced products with varying properties;
- individual (and non-series) produced products, insofar required to be CE marked.

See 4.1 and annex D concerning the classification of the fibrous gypsum plaster casts.

This European Standard covers the following performance characteristics of the fibrous gypsum plaster casts: reaction to fire, thermal resistance, as well as resistance to impact by a hard steel ball and cohesion.

The following performance characteristics are linked to systems assembled with fibrous gypsum plaster casts: fire resistance, impact resistance, direct airborne sound insulation, acoustic absorption to be measured according to the corresponding European test methods. If required, tests have to be done on assembled systems simulating the end use conditions.

This European Standard defines the reference test methods for the technical specifications.

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

It provides for assessment of conformity of the products to this standard.

This standard does not apply to:

- i) fibre reinforced gypsum sheet products (see pr EN 15283);
- ii) gypsum elements for suspended ceilings (see EN 14246);
- iii) solid casts;
- iv) run fibre reinforced products;
- v) plaster based stucco casts, carton pierre decors, resin decors;
- vi) moulds, models and mock-ups made of fibrous gypsum plaster;
- vii) fibrous gypsum plaster casts that, by nature, are not intended to be fastened in position;
- viii) fibrous gypsum plaster casts for sets (theatre, cinema, TV);
- ix) fibrous gypsum plaster casts and decors intended to be installed directly on existing partitions, walls and ceilings, for purely decorative applications.



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