

DIN EN 14190**DIN**

ICS 01.040.91; 91.100.10

Supersedes
DIN EN 14190:2005-11
See start of application**Gypsum board products from reprocessing –
Definitions, requirements and test methods;
English version EN 14190:2014,
English translation of DIN EN 14190:2014-09**

Gipsplatten-Produkte aus der Weiterverarbeitung –
Begriffe, Anforderungen und Prüfverfahren;
Englische Fassung EN 14190:2014,
Englische Übersetzung von DIN EN 14190:2014-09

Produits de transformation secondaire de plaques de plâtre –
Définitions, spécifications et méthodes d'essai;
Version anglaise EN 14190:2014,
Traduction anglaise de DIN EN 14190:2014-09

Document comprises 33 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

Start of application

It should be noted that, in Germany, CE conformity marking of construction products will be permitted once this standard has been listed in the Official Journal of the European Union and/or the *Bundesanzeiger* (German Federal Gazette) and from the date given therein.

For further information, users of this standard should refer to the websites of the European Commission or of the relevant building authority.

The standard which this document replaces, DIN EN 14190:2005-11, may be used in parallel with this standard during a specified transition period where such has been laid down in the Official Journal of the European Union and/or the *Bundesanzeiger* (German Federal Gazette).

National foreword

This document (EN 14190:2014) has been prepared by Technical Committee CEN/TC 241 "Gypsum and gypsum based products" (Secretariat: AFNOR, France).

The responsible German body involved in its preparation was the *Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering), Working Committee NA 005-09-10 AA *Gips und Gipsprodukte*.

Amendments

This standard differs from DIN EN 14190:2005-11 as follows:

- a) normative references have been updated;
- b) the scope has been extended to include boards according to DIN EN 520, DIN EN 15238-1 and DIN EN 15283-2;
- c) Subclause 3.2 "Symbols and abbreviations" has been added;
- d) Annex C "Mounting and fixing in the test according to EN 13823 (SBI test) and related information" has been supplemented;
- e) Annex ZA and Clause 6 have been revised to be in line with the EU Construction Products Regulation (CPR);
- f) the standard has been editorially revised.

Previous editions

DIN EN 14190: 2005-11

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 14190

July 2014

ICS 01.040.91; 91.100.10

Supersedes EN 14190:2005

English Version

**Gypsum board products from reprocessing - Definitions,
requirements and test methods**

Produits de transformation secondaire de plaques de plâtre -
Définitions, spécifications et méthodes d'essai

Gipsplatten-Produkte aus der Weiterverarbeitung - Begriffe,
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 22 May 2014.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

Contents

	Page
Foreword.....	4
1 Scope	5
2 Normative references	5
3 Terms and definitions, symbols and abbreviations.....	6
3.1 Terms and definitions	6
3.2 Symbols and abbreviations	7
4 Requirements	7
4.1 Mechanical characteristics	7
4.1.1 Flexural strength (expressed as flexural breaking load).....	7
4.1.2 Stability of ceiling elements	7
4.1.3 Shear strength (strength of board/substructure connection).....	7
4.1.4 Impact resistance.....	7
4.2 Fire behaviour	8
4.2.1 Reaction to fire	8
4.2.2 Resistance to fire	8
4.3 Water vapour permeability (expressed as water vapour resistance factor).....	8
4.4 Acoustic properties	8
4.4.1 Direct airborne sound insulation	8
4.4.2 Acoustic absorption	8
4.4.3 Impact sound insulation	8
4.5 Thermal resistance (expressed as thermal conductivity)	9
4.6 Dangerous substances	9
4.7 Dimensions and tolerances	9
4.8 Thermal emissivity.....	9
4.9 X-ray protection	9
5 Test methods.....	9
5.1 Sampling	9
5.2 Stability determination	10
5.2.1 Principle	10
5.2.2 Apparatus	10
5.2.3 Procedure	10
5.2.4 Expression of results	10
5.3 Determination of thermal emissivity	10
5.3.1 Principle	10
5.3.2 Apparatus	10
5.3.3 Procedure	11
5.3.4 Expression of results	11
6 Assessment and verification of constancy of performance - AVCP	11
6.1 General.....	11
6.2 Type testing	12
6.2.1 General.....	12
6.2.2 Determination of the product type	12
6.2.3 Further type testing	12
6.3 Factory production control (FPC)	12
6.3.1 General.....	12
6.3.2 Personnel.....	13
6.3.3 Equipment	13