Lisatöötlusel saadavad kipsplaadist tooted. Määratlused, nõuded ja katsemeetodid

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

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 14190:2014 sisaldab Euroopa standardi EN 14190:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 14190:2014 consists of the English text of the European standard EN 14190:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 16.07.2014.	Date of Availability of the European standard is 16.07.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 01.040.91, 91.100.10

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

Ref. No. EN 14190:2014 E

Contents

Page

Foreword

This document (EN 14190:2014) 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 January 2015 and conflicting national standards shall be withdrawn at the latest by April 2016.

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 supersedes EN 14190:2005.

The main technical changes that have been made in this new edition of EN 14190 are the following:

a) Normative references have been updated;

b) scope has been enlarged to include boards according to EN 520, EN 15283-1 and EN 15283-2;

c) 3.2 “Symbols and abbreviations” has been introduced;

d) Annex C (SBI test) and related information concerning the methods for processing have been supplemented;

e) Annex ZA and Clause 6 have been revised to be in line with the Construction Products Regulation (CPR)

f) document has been editorially revised.

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 Regulation (EU) No. 305/2011.

For relationship with Regulation (EU) No. 305/2011, 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, 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 the United Kingdom.

1 Scope

This European Standard specifies the characteristics and performance of products which have been produced by reprocessing gypsum boards manufactured according to EN 520, EN 15283-1 and EN 15283-2. Reprocessing may include cutting, perforating, edge profiling, decorating and laminating membranes of other materials for functional or decorative purposes, attaching fixings including supports e.g. for partitions. Examples of reprocessing operations are given in Annex B.

The products are intended for use in wall, ceiling and floor applications, where they may be fixed directly to the background, or they are used in systems assembled in conjunction with the structure to form separate or suspended linings. The products can be customized to fit the intended application offering a wide range of aesthetic, functional and decorative solutions of modular or non-modular design.

This European Standard does not cover gypsum board thermal/acoustic insulation composite panels according to EN 13950 and prefabricated gypsum board panels with a cellular paperboard core according to EN 13915.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 520:2004+A1:2009, *Gypsum plasterboards — Definitions, requirements and test methods*

EN 12664, *Thermal performance of building materials and products — Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Dry and moist products of medium and low thermal resistance*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using test data from reaction to fire tests*

EN 13501-2, *Fire classification of construction products and building elements — Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 13823, *Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item*

EN 15283-1: 2008+A1:2009, *Gypsum boards with fibrous reinforcement — Definitions, requirements and test methods — Part 1: Gypsum boards with mat reinforcement*

EN 15283-2: 2008+A1:2009, *Gypsum boards with fibrous reinforcement — Definitions, requirements and test methods — Part 2: Gypsum fibre boards*

EN 61331-1, *Protective devices against diagnostic medical X-radiation — Part 1: Determination of attenuation properties of materials (IEC 61331-1)*

EN ISO 354, *Acoustics — Measurement of sound absorption in a reverberation room (ISO 354)*

EN ISO 6946, *Building components and building elements — Thermal resistance and thermal transmittance — Calculation method (ISO 6946)*

EN ISO 10140 (all parts), *Acoustics — Laboratory measurement of sound insulation of building elements (ISO 10140)*

EN ISO 12572, *Hygrothermal performance of building materials and products — Determination of water vapour transmission properties (ISO 12572)*

ISO 7892, *Vertical building elements — Impact resistance tests — Impact bodies and general test procedures*

3 Terms and definitions, symbols and abbreviations

3.1 Terms and definitions

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

3.1.1
face
surface intended to be exposed

3.1.2
back
surface intended to be concealed

3.1.3
perforations
holes of constant or varying shape and size

3.1.4
thin laminations
material applied to one or more surfaces to impart decoration or functional properties

3.1.5
floor elements
construction of 2 or more boards stuck together to provide profiled edges. Suitable single boards of adequate thickness and edge configuration may also comply

Note 1 to entry: Floor elements may include thermal and impact sound insulation.

3.1.6
foldable elements
elements formed from boards, that have previously been milled to provide inclined channels through their thickness, to allow them to be folded

3.1.7
arch elements
board preformed into curved elements, having a range of radii, size and shape, in single boards and multi-layer laminates

Note 1 to entry: The edges may be flush or staggered, inside or outside, to requirements.

3.1.8
integral fixing
component attached, usually to the back of the unit, to provide support

Note 1 to entry: Alternatively, the edges of the unit may be profiled.