

<b>STN</b>	<b>Sadrokartónové dosky s ďalšou úpravou. Definície, požiadavky, skúšobné metódy.</b>	<b>STN EN 14190</b>
		72 3612

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

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/15

Obsahuje: EN 14190:2014

Oznámením tejto normy sa od 01.05.2016 ruší  
STN EN 14190 (72 3612) z novembra 2005

**120325**

---

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2015  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy  
rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

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**

<b>Contents</b>	<b>Page</b>
Foreword.....	4
<b>1 Scope .....</b>	<b>5</b>
<b>2 Normative references .....</b>	<b>5</b>
<b>3 Terms and definitions, symbols and abbreviations.....</b>	<b>6</b>
3.1 Terms and definitions .....	6
3.2 Symbols and abbreviations .....	7
<b>4 Requirements .....</b>	<b>7</b>
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
<b>5 Test methods.....</b>	<b>9</b>
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
<b>6 Assessment and verification of constancy of performance - AVCP .....</b>	<b>11</b>
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

6.3.4	Raw materials and components .....	13
6.3.5	Product testing and evaluation .....	13
6.3.6	Traceability and marking .....	13
6.3.7	Non-complying products .....	13
6.3.8	Corrective action .....	14
6.3.9	Other test methods .....	14
7	Designation of gypsum board products from reprocessing .....	14
8	Marking, labelling and packaging .....	14
Annex A (informative) Sampling procedure for testing .....		15
A.1	General .....	15
A.2	Sampling procedure .....	15
A.2.1	General .....	15
A.2.2	Random sampling .....	15
A.2.3	Representative sampling .....	15
A.2.3.1	General .....	15
A.2.3.2	Sampling from a stack .....	15
A.2.3.3	Sampling from a consignment formed of banded or wrapped packs .....	16
Annex B (informative) Reprocessing operations .....		17
Annex C (normative) Mounting and fixing in the test according to EN 13823 (SBI test) and related information .....		18
C.1	General .....	18
C.2	Products which have only been changed by mechanical processes to alter their shape or dimensions .....	18
C.3	Products which are formed by adhesion of another material (or board) to the surface of the board .....	18
C.4	Mounting and fixing for products which are formed by operations other than those listed in C.2 and C.3 above .....	18
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation .....		21
ZA.1	Scope and relevant characteristics .....	21
ZA.2	Procedure for AVCP of gypsum board products from reprocessing .....	22
ZA.2.1	Systems of AVCP .....	22
ZA.2.2	Declaration of performance (DoP) .....	26
ZA.2.2.1	General .....	26
ZA.2.2.2	Content .....	26
ZA.2.2.3	Example of DoP .....	27
ZA.3	CE marking and labelling .....	29
Bibliography .....		31

## 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 14190:2014 (E)**

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*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**