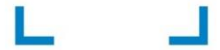


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**Gypsum based adhesives for thermal/acoustic insulation
composite panels and gypsum boards - Definitions, requirements
and test methods**

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English Version

**Gypsum based adhesives for thermal/acoustic insulation
composite panels and gypsum boards - Definitions,
requirements and test methods**

Adhésifs à base de plâtre pour complexes d'isolation
thermique/acoustique en plaques de plâtre et isolant -
Définitions, exigences et méthodes d'essai

Kleber auf Gipsbasis für Verbundplatten zur Wärme-
und Schalldämmung und Gipsplatten - Begriffe,
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 29 July 2016.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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EN 14496:2017 (E)**European foreword**

This document (EN 14496:2017) 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of an identical text or by endorsement, at the latest by January 2018, and conflicting national standards shall be withdrawn at the latest by April 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14496:2005.

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.

The main technical changes that have been made in this new edition of EN 14496 are the following:

- a) normative references have been updated;
- b) new clause symbols and abbreviations has been introduced;
- c) Annex ZA and Clause 6 have been revised to be in line with the Construction Products Regulation (CPR);
- d) document has been editorially revised.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies the characteristics and performances of gypsum based adhesives which are composed of gypsum plasters defined in EN 13279-1 and of additives. These adhesives are used for fixing to walls and partitions, gypsum board thermal/acoustic insulation composite panels according to EN 13950, gypsum plasterboard linings according to EN 520, gypsum boards with mat reinforcement according to EN 15283-1, gypsum fibre boards according to EN 15283-2 and other suitable products as reprocessed boards according to EN 14190 and cornices according to EN 14209. They assist in the construction of systems which provide thermal and acoustic performance.

It covers the following performance characteristics: reaction to fire, fire resistance and bond strength to be measured according to the corresponding European test methods.

It provides the assessment and verification of constancy of performance of the products.”

This standard covers also additional technical characteristics that are of importance for the use and acceptance of the product by the construction Industry and the reference tests for these characteristics.

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 196-1:2016, *Methods of testing cement - Part 1: Determination of strength*

EN 13279-2:2014, *Gypsum binders and gypsum plasters - Part 2: Test methods*

EN 13501-1:2007+A1:2009, *Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*

EN 13501-2:2016, *Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 13823:2010+A1:2014, *Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item*

3 Symbols and abbreviations

3.1 Symbols and abbreviations

Table 1 — Symbols and abbreviations

Requirement	Sub-clause	Symbol or abbreviation
Reaction to fire	4.1	R2F
Bond strength	4.2	F
Dangerous substances	4.3	DS