

**Kipsil põhinevad liimid
soojus/heliisolatsiooni
komposiitpaneelidele ja kipsplaatidele.
Määratlused, nõuded ja katsemeetodid**

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14496:2005 sisaldab Euroopa standardi EN 14496:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 28.12.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14496:2005 consists of the English text of the European standard EN 14496:2005.</p> <p>This document is endorsed on 28.12.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: 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.</p>	<p>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.</p>
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ICS 91.100.10, 91.120.10, 91.120.20

Võtmesõnad: acousti, conformity tests, flame propagation, insulating materials, mortars : material, p, plasterboard, plywood, properties, sound insulation, specification (approval), specifications, staff products, surface spread of flame, testing, thermal insulation, walls

ICS 91.100.10; 91.120.10; 91.120.20

English Version

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

Adhésifs à base de plâtre pour complexes d'isolation thermique/acoustique en plaques de plâtre et isolant - Définitions, spécifications 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 16 September 2004.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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Foreword

This European Standard (EN 14496:2005) 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 May 2006, and conflicting national standards shall be withdrawn at the latest by August 2007.

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.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

Diagrams 1 and 2 show the relationship between this standard and the package of standards prepared to support the family of gypsum and ancillary products.

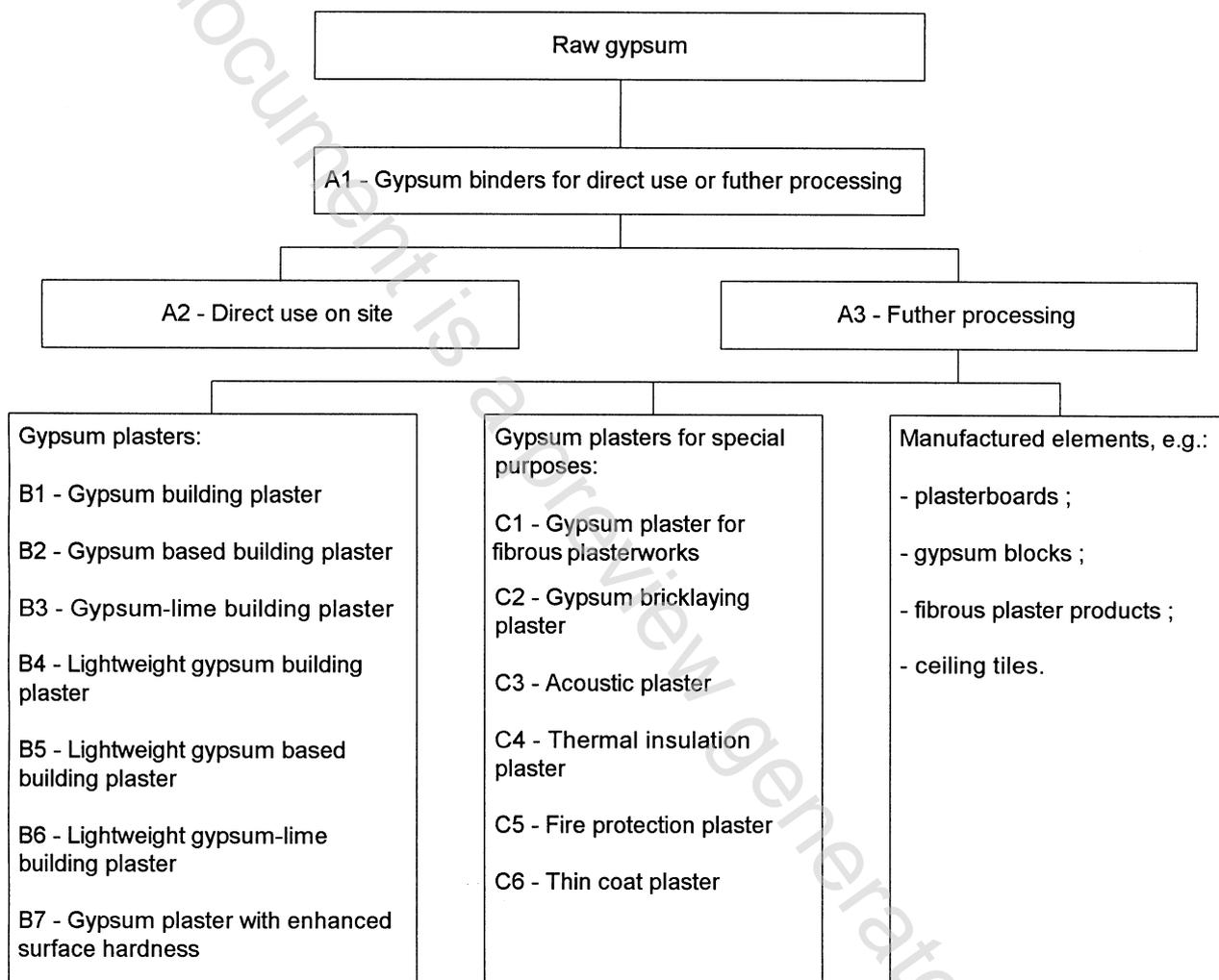


Diagram 1 — Family of gypsum products

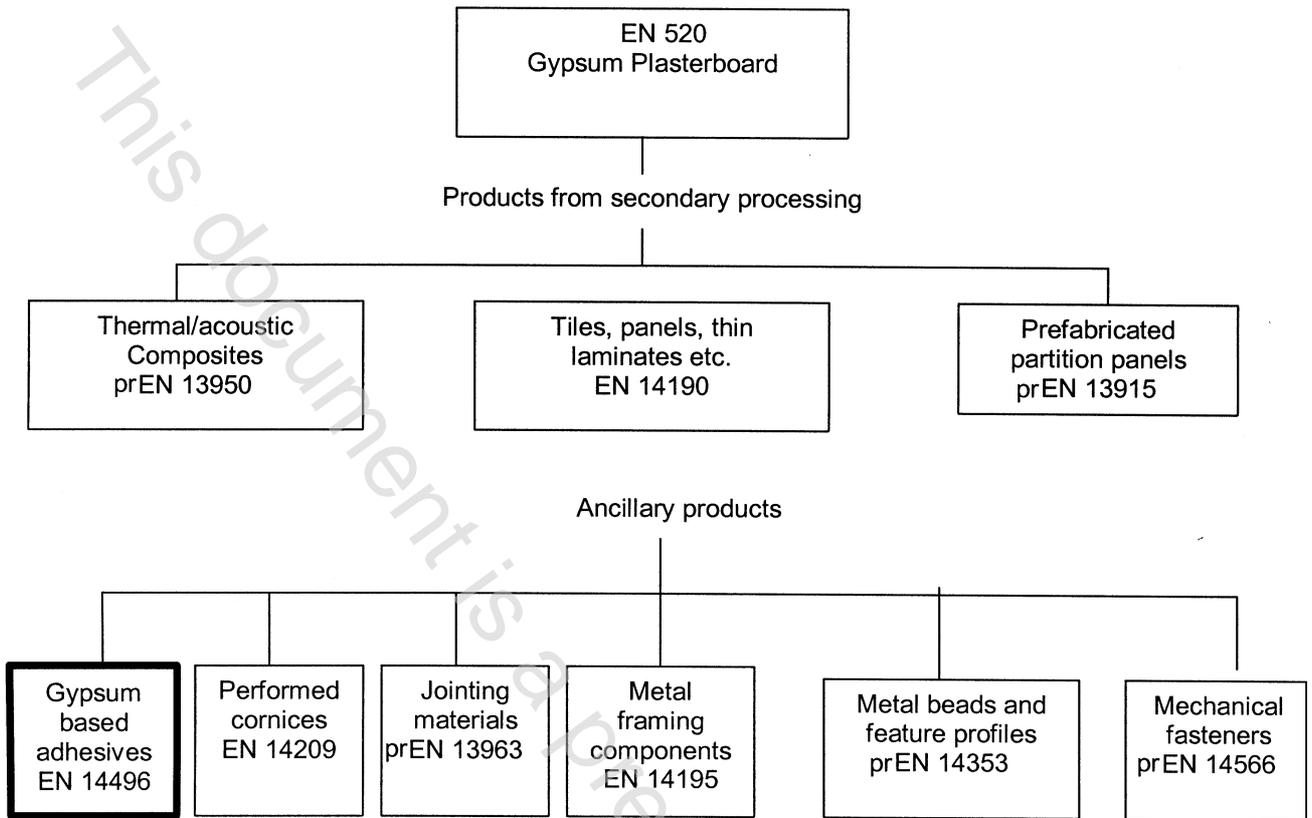


Diagram 2 — Family of ancillary products for use with gypsum products

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 plasterboard thermal/acoustic insulation composite panels according to EN 13950, gypsum plasterboard linings according to EN 520 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 for the evaluation of conformity of the product to this standard.

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 referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 196-1:1994, *Methods of testing cement — Determination of strength*

EN 13279-2:2004, *Gypsum and gypsum plasters — Part 2 : Test methods*

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*

3 Requirements

3.1 Fire behaviour

3.1.1 Reaction to fire

Gypsum building plaster is the main component of gypsum based adhesives. Therefore, gypsum based adhesives are classified A.1 (no contribution to fire) without testing when they contain less than 1 % by weight or volume (whichever is the more onerous) of organic material (Commission Decision 96/603/EEC as amended).

If they contain 1 % or more by weight or volume of organic material, they shall be determined and classified in accordance with EN 13501-1.

When testing in EN 13823 is required, gypsum based adhesives shall be tested in their end use conditions.

3.1.2 Fire resistance

NOTE Resistance to fire is a characteristic dependant on an assembled system and not of the product in isolation.