

**Metallprofiilid kipsplaattarindite  
aluskonstruktsioonide jaoks.  
Definitsioonid, nõuded ja  
katsemeetodid**

Metal framing components for gypsum plasterboard  
systems - Definitions, requirements and test  
methods

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14195:2005 sisaldab Euroopa standardi EN 14195:2005 + AC:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.03.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14195:2005 consists of the English text of the European standard EN 14195:2005 + AC:2006.</p> <p>This document is endorsed on 30.03.2005 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><b>Käsitlusala:</b></p> <p>This document specifies the characteristics of metal framing components intended to be used in building construction works in conjunction with gypsum plasterboard conforming to EN 520 and secondary processing conforming to EN 14190 where the assembly is non-loadbearing. These include, for example, partitions, wall and ceiling linings and the cladding of beams, columns, ducts and lift shafts.</p>	<p><b>Scope:</b></p> <p>This document specifies the characteristics of metal framing components intended to be used in building construction works in conjunction with gypsum plasterboard conforming to EN 520 and secondary processing conforming to EN 14190 where the assembly is non-loadbearing. These include, for example, partitions, wall and ceiling linings and the cladding of beams, columns, ducts and lift shafts.</p>
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ICS 77.140.70, 91.100.10

**Võtmesõnad:** ceilings, coatings, flame propagation, metal sections, non-load bearing, partitions, p-chloraniline, plasterboard, profile, resilience, specification (approval), specifications, surface spread of flame, testing, torsion, wall coverings, wallboard, yield strength

ICS 77.140.70; 91.100.10

English version

**Metal framing components for gypsum plasterboard systems -  
Definitions, requirements and test methods**

Eléments d'ossature métalliques pour systèmes en plaques  
de plâtre - Définitions, exigences et méthodes d'essai

Metallprofile für Unterkonstruktionen für Gipsplatten  
Systemen - Begriffe, Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 10 June 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.

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## Foreword

This document (EN 14195:2005) 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 August 2005, and conflicting national standards shall be withdrawn at the latest by August 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 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 document and the package of documents prepared to support the families of gypsum and ancillary products.

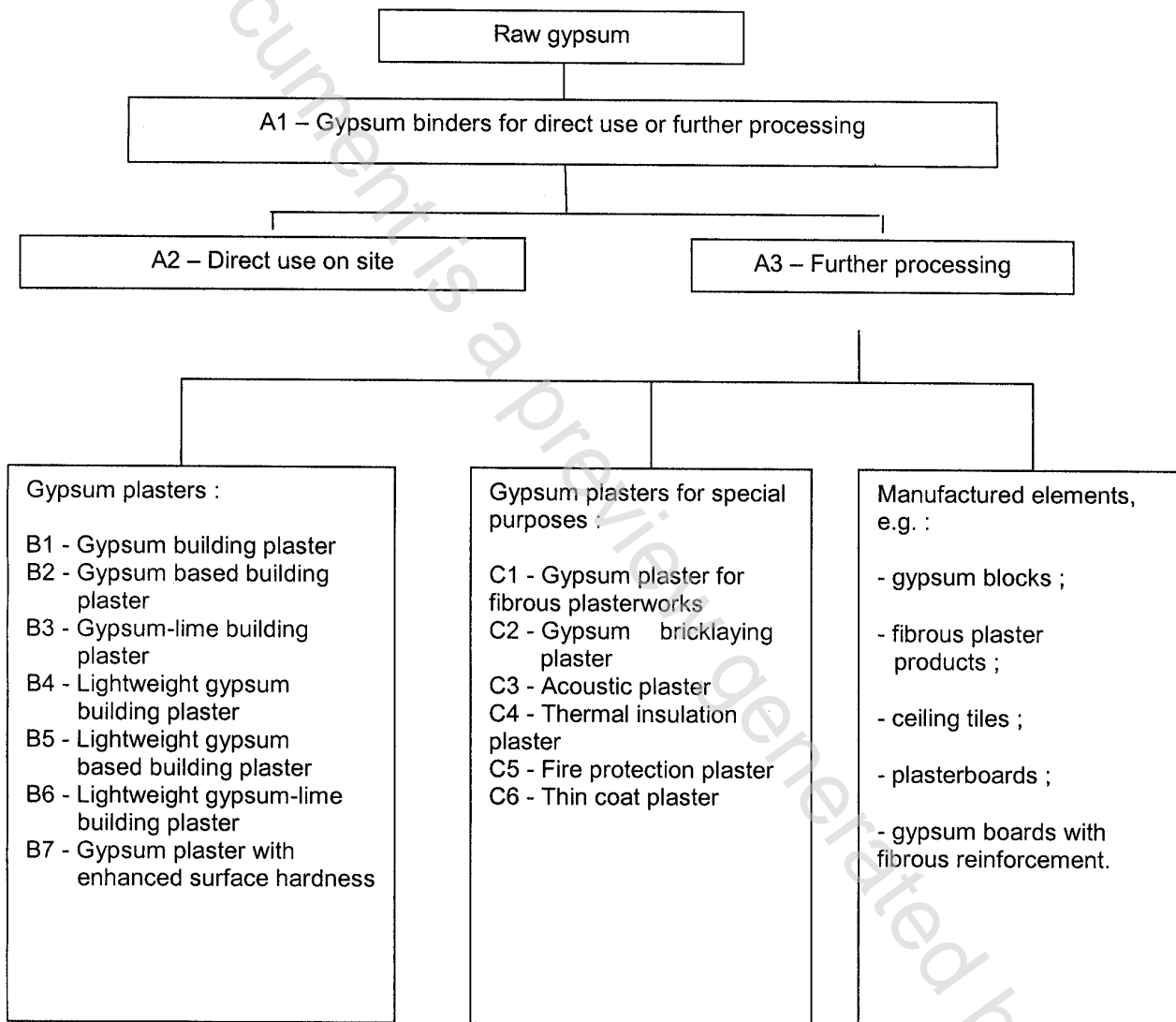
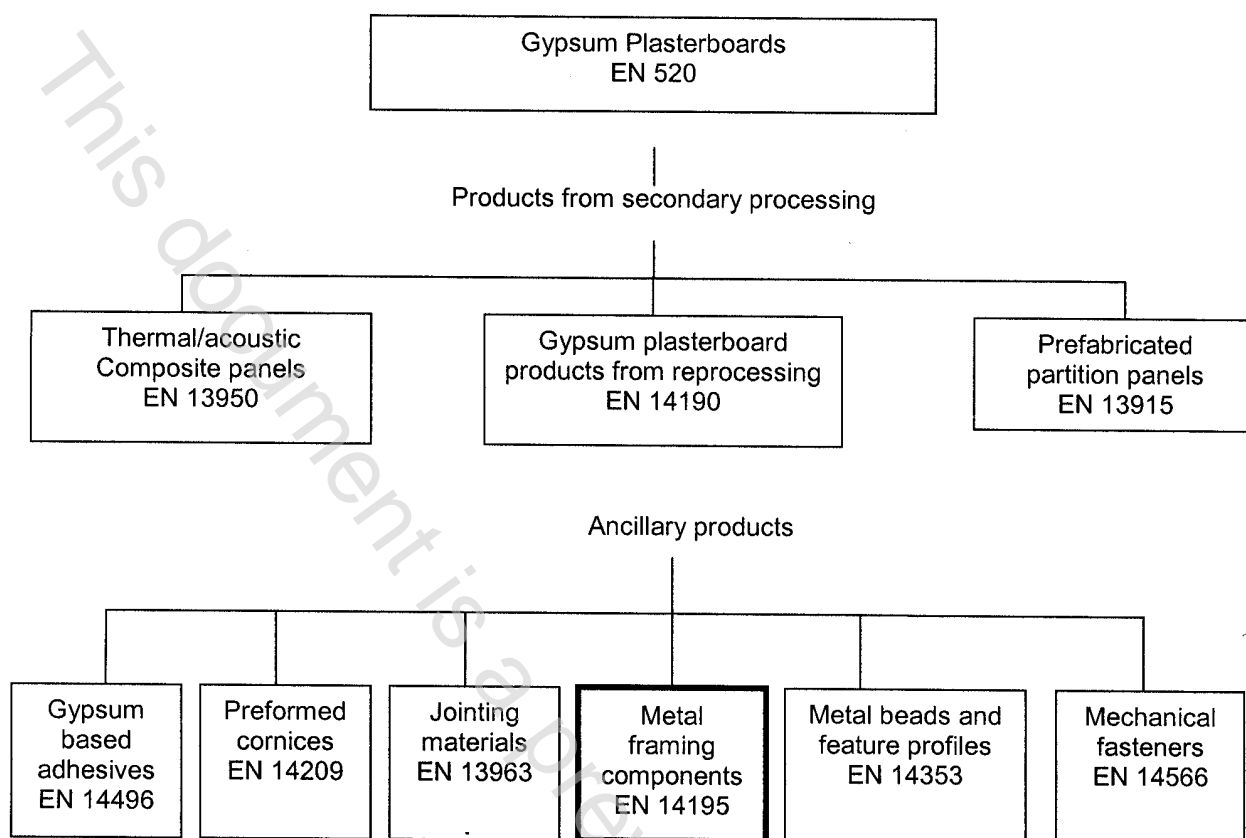


Diagram 1 – Family of gypsum products



**Diagram 2 – Family of ancillary products**

Metal framing components are profiled steel sections cold formed from low carbon steel strip coated in zinc, aluminium - zinc or zinc - aluminium.

The design and properties of metal components make them suitable for the construction of non-loadbearing partitions, wall and ceiling linings where they provide the framing members to support the gypsum plasterboards.

## 1 Scope

This document specifies the characteristics of metal framing components intended to be used in building construction works in conjunction with gypsum plasterboard conforming to EN 520 and secondary processing conforming to EN 14190 where the assembly is non-loadbearing. These include, for example, partitions, wall and ceiling linings and the cladding of beams, columns, ducts and lift shafts.

It covers the following performance characteristics: reaction to fire, flexural (yield) strength to be measured according to the corresponding European test methods.

It defines the reference test methods for technical specifications.

It provides for the evaluation of conformity of the product to this document.

This EN also covers 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.

A method of designation has been incorporated to cover the multiplicity of metal sections currently in use, without recourse to a means of rationalisation of their shape, profile or dimensions.

This document does not cover load-bearing steel framing components and metal framing components for suspended ceilings according to EN 13964.

## 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 10002-1, *Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature*.

EN 10326, *Continuously hot-dip coated strip and sheet of structural steel – Technical delivery conditions*.

EN 10327, *Continuously hot-dip coated strip and sheet of low carbon steels for cold forming – Technical delivery conditions*.

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

## 3 Terms and definitions

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

### 3.1

#### **non-loadbearing element**

element which does not transfer vertical forces and whose contribution to the stability of the building is not taken into account

### 3.2

#### **metal section**

corrosion protected steel member, cold rolled to form profiles (see examples in Annex C)