

**Kipsplaatkonstruktsioonide abikarkassid ja
tugevdusliistud. Määratlused, nõuded ja katsemeetodid**

Metal beads and feature profiles for use with gypsum
plasterboards - Definitions, requirements and test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 14353:2007+A1:2010 sisaldab Euroopa standardi EN 14353:2007+A1:2010 ingliskeelset teksti.

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English Version

**Metal beads and feature profiles for use with gypsum
plasterboards - Definitions, requirements and test methods**

Cornières et profilés métalliques pour plaques de plâtre -
Définitions, spécifications et méthodes d'essai

Hilfs- und Zusatzprofile aus Metall zur Verwendung mit
Gipsplatten - Begriffe, Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 18 November 2007 and includes Amendment 1 approved by CEN on 14 December 2009.

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Foreword

This document (EN 14353:2007+A1:2010) has been prepared by Technical Committee CEN/TC 241 “Gypsum and gypsum based products”, the secretariat of which is held by AFNOR.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2010 and conflicting national standards shall be withdrawn at the latest by July 2010.

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 includes Amendment 1, approved by CEN on 2009-12-14.

This document supersedes EN 14353:2007.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** and **A1**.

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For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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Introduction

Metal beads and feature profiles are produced in wide variety of sizes and shapes. They are cold formed from mild steel sheets with various protective coatings or extruded or cold formed from aluminium. Some of the beads are faced with paper tape to enable them to be jointed. The materials, design and mechanical properties make them particularly suitable to provide improved physical properties and/or enhanced decorative solutions to plasterboard assemblies.

Metal beads and feature profiles may be fixed by various methods to the plasterboard and may be featured self-finished, featured with decoration or concealed by finishing with jointing compounds to receive decoration.

Figures 1 and 2 show the relationship between this standard and the set of standards prepared to support gypsum plasterboards.

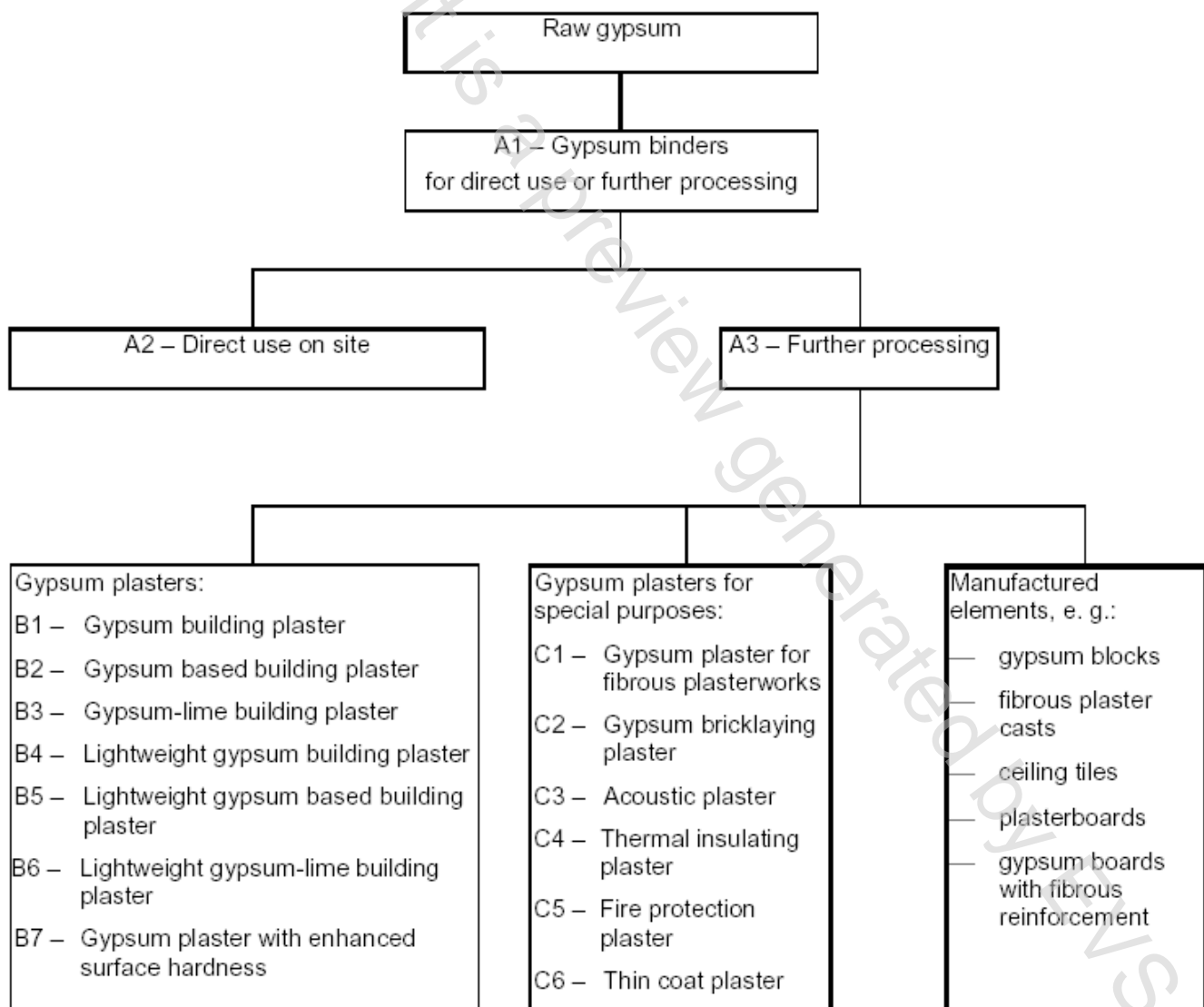


Figure 1 — Family of gypsum products

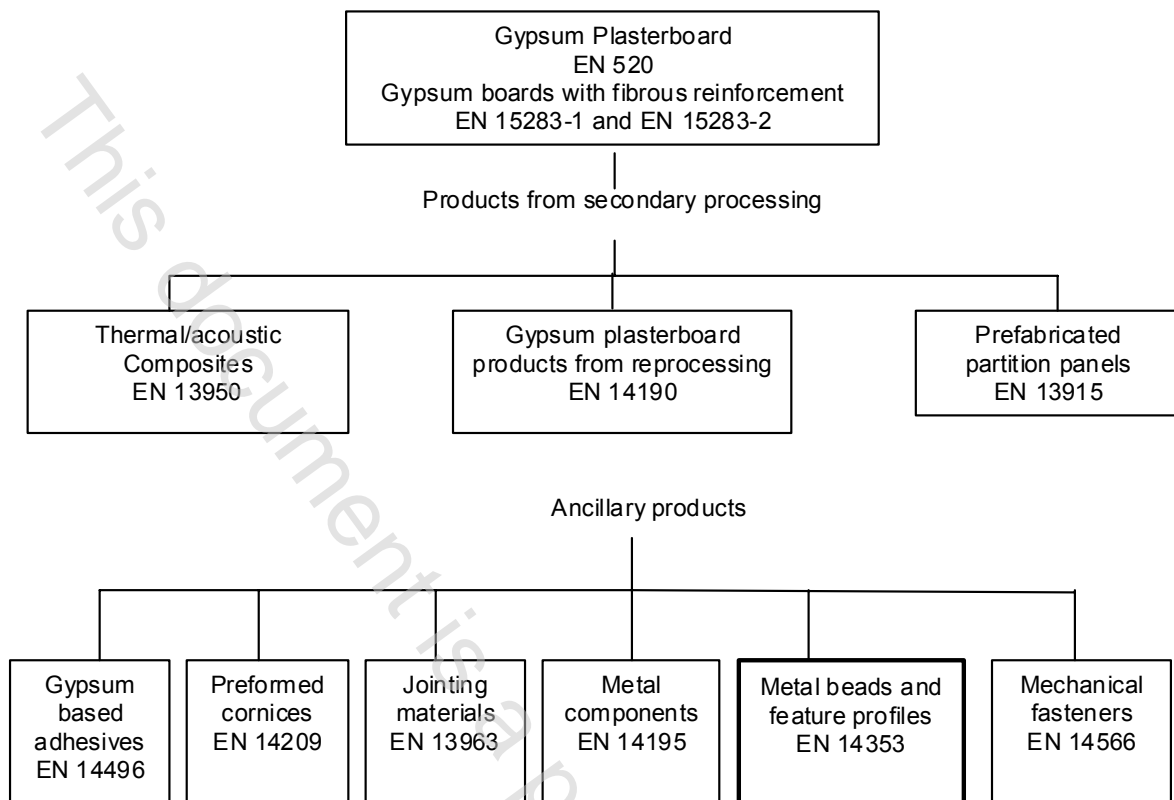


Figure 2 — Family of ancillary products

1 Scope

This European Standard specifies the characteristics and performance of metal beads, metal beads combined with paper tape and metal feature profiles designed for use in systems made with gypsum plasterboards, gypsum boards with fibrous reinforcement and products from secondary processing complying with the ENs shown in Figure 2, intended to be used in building construction works. Metal beads and feature profiles, depending upon their material and type, can be featured without decoration, decorated or finished with jointing compounds to receive decoration.

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

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

This European 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 520, *Gypsum plasterboards — Definitions, requirements and test methods*

EN 755 (all parts), *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles*

EN 10131, *Cold rolled uncoated and zinc or zinc-nickel electrolytically coated low carbon and high yield strength steel flat products for cold forming — Tolerances on dimensions and shape*

EN 10139, *Cold rolled uncoated mild steel narrow strip for cold forming — Technical delivery conditions*

EN 10140, *Cold rolled narrow steel strip — Tolerances on dimensions and shape*

EN 10143, *Continuously hot-dip coated steel sheet and strip — Tolerances on dimensions and shape*

EN 10152, *Electrolytically zinc coated cold rolled steel flat products for cold forming — Technical delivery conditions*

EN 10346, *Continuously hot-dip coated steel flat products — Technical delivery conditions*

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

EN 13963, *Jointing materials for gypsum plasterboards — Definitions, requirements and test methods*

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

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

EN ISO 1924-2, *Paper and board — Determination of tensile properties — Part 2: Constant rate of elongation method (20 mm/min) (ISO 1924-2:2008)*

EN ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227:2006)*

3 Terms, definitions, symbols and abbreviations

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

3.1 Terms and definitions

3.1.1 metal bead

profiled narrow section formed in steel or aluminium with a cross section to suit its application

NOTE Beads may incorporate a variety of profiles and one or more wings depending upon their function. The wings can be perforated or expanded to facilitate fixing using mechanical and/or jointing compound methods.

3.1.2 angle bead

profiled section used to enhance and protect external angles

3.1.3 edge bead

profiled section engaged to enclose and enhance and protect the edge of the plasterboard

3.1.4 feature bead

profiled section used to enhance the finish to the edge of the plasterboard