

საქართველოს სტანდარტი

თაბაშირ-მუყაოს დაფები ბოჭკოვანი გამაგრებით - განსაზღვრებები,
მოთხოვნები და გამოცდის მეთოდები - ნაწილი 1: თაბაშირ-მუყაოს დაფები
ხალიჩისებრი გამაგრებით

საქართველოს სტანდარტებისა და მეტროლოგიის
ეროვნული სააგენტო
თბილისი

სსტ ენ 15283-1:2008+A1:2009/2018

საინფორმაციო მონაცემები

1 შემუშავებულია საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს სტანდარტების დეპარტამენტის მიერ

2 დამტკიცებულია და შემოღებულია სამოქმედოდ საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს 2018 წლის 17 აგვისტოს № 85 განკარგულებით

3 მიღებულია გარეკანის თარგმნის მეთოდით სტანდარტიზაციის ევროპული კომიტეტის სტანდარტი ენ 15283-1:2008+A1:2009 „თაბაშირ-მუყაოს დაფები ბოჭკოვანი გამაგრებით - განსაზღვრებები, მოთხოვნები და გამოცდის მეთოდები - ნაწილი 1: თაბაშირ-მუყაოს დაფები ხალიჩისებრი გამაგრებით”

4 პირველად

5 რეგისტრირებულია საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 2018 წლის 17 აგვისტო №268-1.3-013968

აკრძალულია ამ სტანდარტის გადაცემა მესამე პირებისათვის ან/და მისი სხვა ფორმით გავრცელება

English Version

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

Plaques de plâtre armées de fibres - Définitions,
spécifications et méthodes d'essai - Partie 1: Plaques de
plâtre armées d'un tissu

Faserverstärkte Gipsplatten - Begriffe, Anforderungen und
Prüfverfahren - Teil 1: Gipsplatten mit Vliesarmierung

This European Standard was approved by CEN on 28 December 2007 and includes Amendment 1 approved by CEN on 20 July 2009.

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 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 Management Centre has the same status as the official versions.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	4
Introduction	7
1 Scope	8
2 Normative references	8
3 Terms and definitions	9
4 Requirements	11
4.1 Mechanical characteristics	11
4.2 Fire behaviour	12
4.3 Acoustic properties	12
4.4 Water vapour permeability (expressed as water vapour resistance factor).....	12
4.5 Thermal resistance (expressed as thermal conductivity)	13
4.6 Dangerous substances	13
4.7 Dimensions and tolerances	13
4.8 Additional requirements for gypsum boards with mat reinforcement with reduced water absorption rate Type H1 and H2.....	14
4.9 Additional requirements for gypsum boards with mat reinforcement with enhanced surface hardness Type I.....	14
4.10 Additional requirements for gypsum boards with mat reinforcement with improved core cohesion at high temperature Type F.....	14
4.11 Impact resistance.....	14
5 Test methods.....	14
5.1 Sampling	14
5.2 Determination of width.....	14
5.3 Determination of length	15
5.4 Determination of thickness.....	16
5.5 Determination of squareness	17
5.6 Determination of flexural breaking load.....	19
5.7 Determination of deflection under load.....	20
5.8 Determination of total water absorption	21
5.9 Determination of surface hardness of the board	21
6 Evaluation of conformity.....	24
6.1 General.....	24
6.2 Initial type testing	24
6.3 Factory production control.....	25
7 Designation of gypsum boards with mat reinforcement	26
8 Marking, labelling and packaging	26
Annex A (informative) Sampling procedure for testing.....	28
A.1 General.....	28
A.2 Sampling procedure	28
Annex B (normative) Mounting and fixing for testing according to EN 13823 (SBI test)	30
B.1 General applications	30
B.2 Limited applications regarding joint filling	32
B.3 Limited applications regarding wood based substrates	33

Annex ZA (informative) Clauses of this European Standard addressing the provisions of EU	
Construction Products Directive	34
ZA.1 Scope and relevant characteristics	34
ZA.2 Procedure of attestation of conformity of gypsum boards with mat reinforcement	36
ZA.3 CE marking and labelling	39

Foreword

This document (EN 15283-1:2008+A1:2009) 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 February 2010, and conflicting national standards shall be withdrawn at the latest by February 2010.

This document includes Amendment 1, approved by CEN on 2009-08-19.

This document supersedes EN 15283-1:2008.

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

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 standard includes two parts:

- *Part 1: Gypsum boards with mat reinforcement*
- *Part 2: Gypsum fibre boards*

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 89/106.

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, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

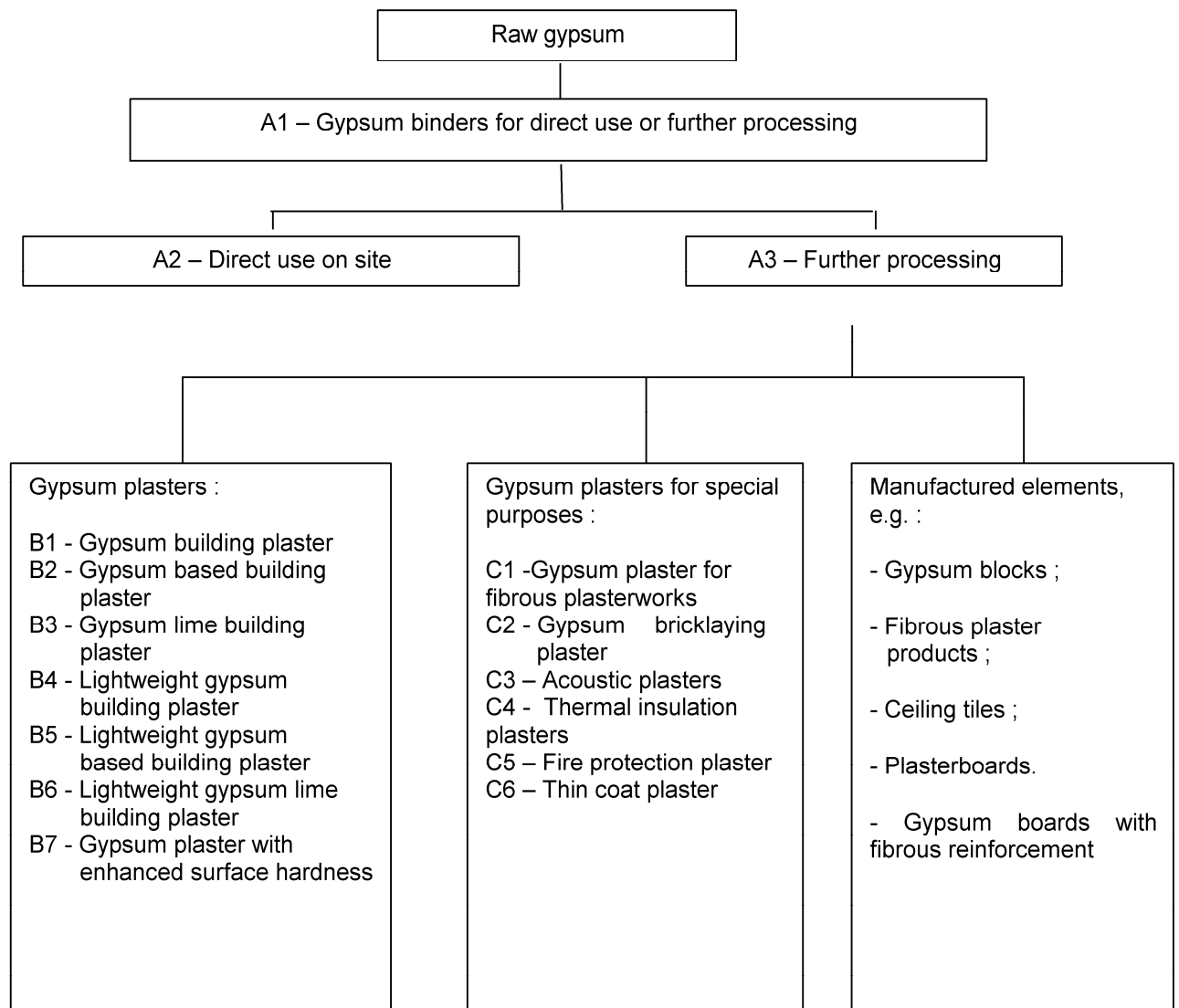


Diagram 1 — Families of gypsum products

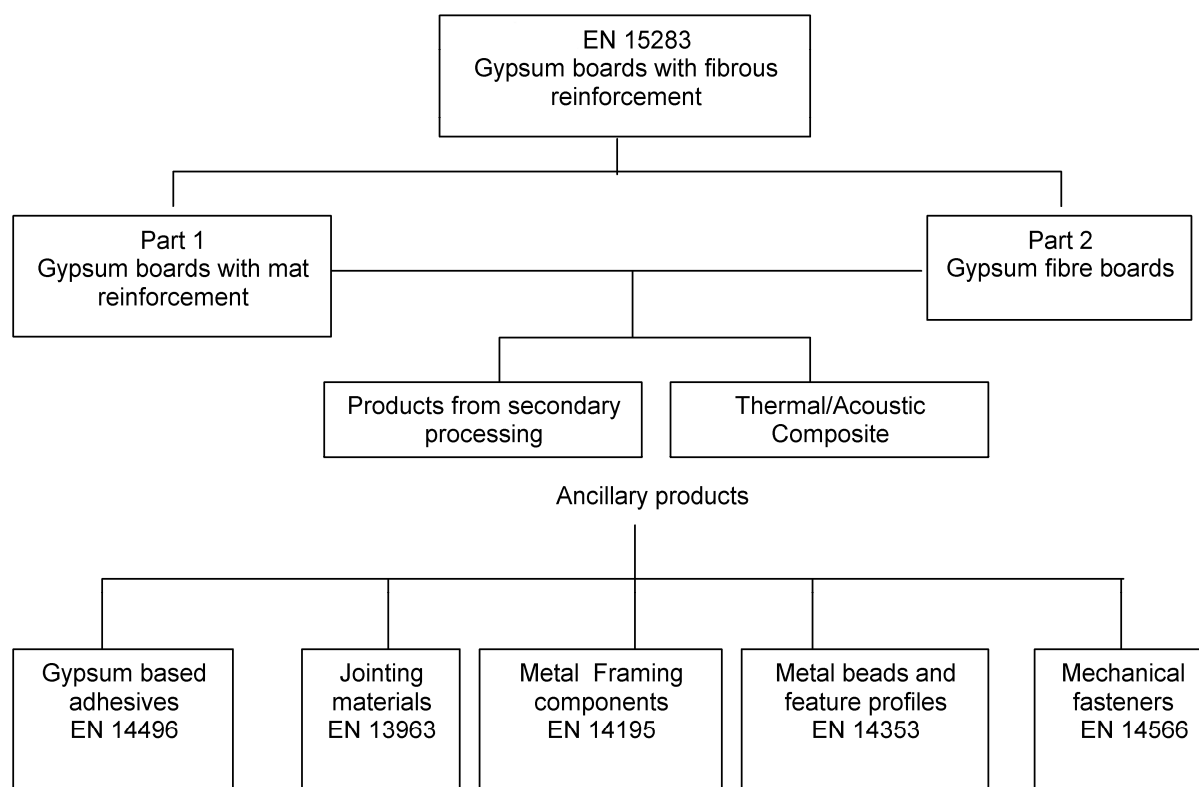


Diagram 2 — Family of ancillary products

Introduction

Gypsum boards with mat reinforcement are composed of set gypsum plaster core reinforced with fibres which may be inorganic and/or organic, and are arranged in a woven or non-woven mat to form flat rectangular boards. Admixtures, fillers and fibres dispersed in the core may also be present. They are usually continuously produced on an industrial scale.

The properties of gypsum boards with mat reinforcement make them particularly suitable for use in situation where there are requirements for fire protection, sound, thermal insulation or racking strength.

Gypsum boards with mat reinforcement can be fixed by various methods e.g. nailing, screwing, stapling or sticking with gypsum based or other adhesives. They can also be inserted in a suspended ceiling system or laid in floor constructions.

Gypsum boards with mat reinforcement can be finished with direct surface decoration or gypsum plaster.

They can be further processed into a range of other products.