



SLOVENSKI STANDARD SIST EN 17328:2024

01-oktober-2024

Dopolnilna pravila za kategorije proizvodov za mavčne gradbene proizvode

Complementary product category rules for gypsum-based construction products

Ergänzende Produktkategorieregeln für Bauprodukte auf Gipsbasis

Règles de catégories de produits complémentaires pour les produits de construction à base de plâtre

Ta slovenski standard je istoveten z: **EN 17328:2024**

ICS:

91.100.10 Cement. Mavec. Apno. Malta Cement. Gypsum. Lime.
Mortar

SIST EN 17328:2024

en,fr,de

EUROPEAN STANDARD

EN 17328

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2024

ICS 91.100.10

English Version

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Règles de catégories de produits complémentaires
pour les produits de construction à base de plâtre

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auf Gipsbasis

This European Standard was approved by CEN on 10 June 2024.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 17328:2024) 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of an identical text or by endorsement, at the latest by January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025.

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 is intended to be used in conjunction with EN 15804:2012+A2:2019.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

As in EN 15804:2012+A2:2019, in addition:

This document for gypsum-based products contributes to the further specification and harmonization of public information regarding the environmental impact of gypsum products. In this way, the current document also intends to contribute to a more transparent and smooth exchange of EPDs on a European scale. It offers a common reference for the review of existing PCRs, already developed by several EPD Program Operators, and a basis for the future development of PCRs, e.g. at the national level. It complements the core product category rules for all construction products and services as established in EN 15804:2012+A2:2019.

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1 Scope

This document provides product category rules (c-PCR), that are complementary to EN 15804:2012+A2:2019, for Type III environmental declarations for gypsum-based products for the construction industry.

This document:

- specifies the functional and/or declared unit to be used;
- defines the default system boundaries for gypsum-based construction products;
- defines allocation procedures for the environmental impact of recycling and/or the use of by-products;
- describes the default scenarios and rules for defining scenarios for each of the life cycle information modules A-D;
- provides guidance for the determination of the reference service life (RSL) for gypsum-based construction products.

NOTE 1 Annex B of EN 15804:2012+A2:2019 has been complemented in an annex to this document.

NOTE 2 An Annex F has been added to this document.

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 15804:2012+A2:2019, *Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products*¹₂₀₂₄

<https://standards.iteh.ai/catalog/standards/sist/e114b40d-b2f6-47cf-8ab0-8ed5cd982f5b/sist-en-17328-2024>

EN 16516:2017+A1:2020, *Construction products: Assessment of release of dangerous substances - Determination of emissions into indoor air*

EN ISO 16000-9:2024, *Indoor air — Part 9: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test chamber method (ISO 16000-9:2024)*

EN ISO 16000-11:2006, *Indoor air - Part 11: Determination of the emission of volatile organic compounds from building products and furnishing - Sampling, storage of samples and preparation of test specimens (ISO 16000-11:2006)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15804:2012+A2:2019 apply.

¹ As impacted by EN 15804:2012+A2:2019/AC:2021.

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4 Abbreviations

For the purposes of this document, the following abbreviations apply.

EPD	Environmental product declaration
FGD	Flue gas desulphurisation
PCR	Product category rules
c-PCR	complementary PCR
LCA	Life cycle assessment
RSL	Reference service life
SVHC	Substances of very high concern

5 General aspects

5.1 Objective of the PCR for gypsum-based construction products

As outlined in EN 15804:2012+A2:2019, an EPD which is in line with the core PCR provides quantified environmental information for a construction product or service on a harmonized and scientific basis. The objective of this c-PCR is therefore to provide additional guidance and/or common rules specifically for gypsum-based construction products. These additional rules are intended to be used together with the core product category rules for construction products, which are outlined in EN 15804:2012+A2:2019.

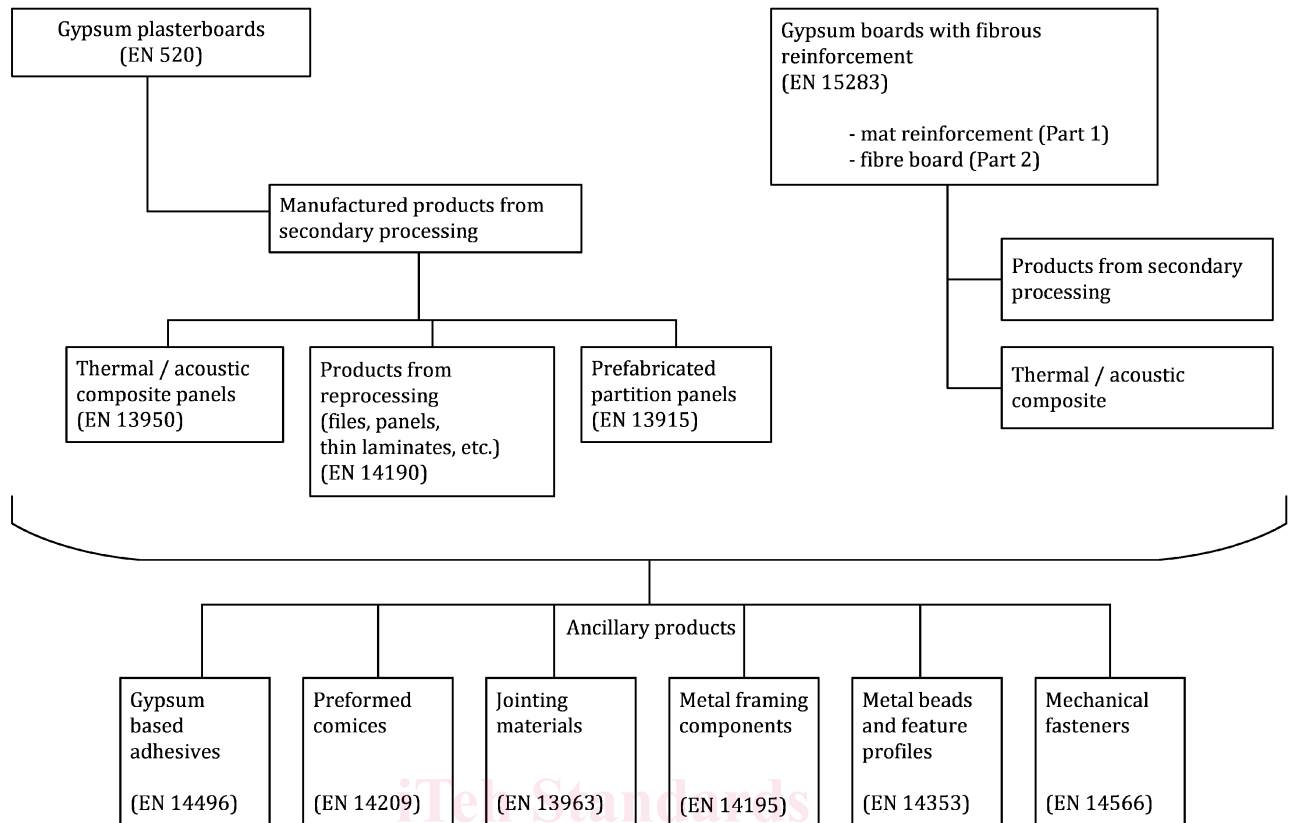
5.2 Types of EPD with respect to life cycle stages covered

In addition to mandatory declaration as described in EN 15804:2012+A2:2019² the following stages shall be declared: A4, A5 and B modules.

5.3 Comparability of EPD for construction products

The comparability of EPD for construction products shall be as in EN 15804:2012+A2:2019. When comparing EPDs for construction products or assembled product components, one should also consider standards of ancillary products, such as illustrated in Figure 1.

² Wherever tables under module B are filled in with 0, programme operators should have the possibility to delete the respective tables.



NOTE See EN 520:2004+A1:2009 and EN 15283:2008+A1:2009.

Figure 1 — Overview of standards related to plasterboards, products from secondary processing and ancillary products

5.4 Additional environmental information

5.4.1 General

As in EN 15804:2012+A2:2019.

5.4.2 Additional impact indicators

As in EN 15804:2012+A2:2019.

5.4.3 Additional information on carbon offset, carbon storage and delayed emissions

As in EN 15804:2012+A2:2019.

5.4.4 Additional information not derived from LCA

As in EN 15804:2012+A2:2019.

5.5 Ownership, responsibility and liability for the EPD

As in EN 15804:2012+A2:2019, in addition:

In the EPD, it should be clearly indicated whether the EPD is based on site-specific data or whether it contains average data for a sector/group of plants from the same or different companies.

NOTE A group of manufacturers can be represented by a European and/or National Association with gypsum product manufacturers on the members list.

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5.6 Communication formats

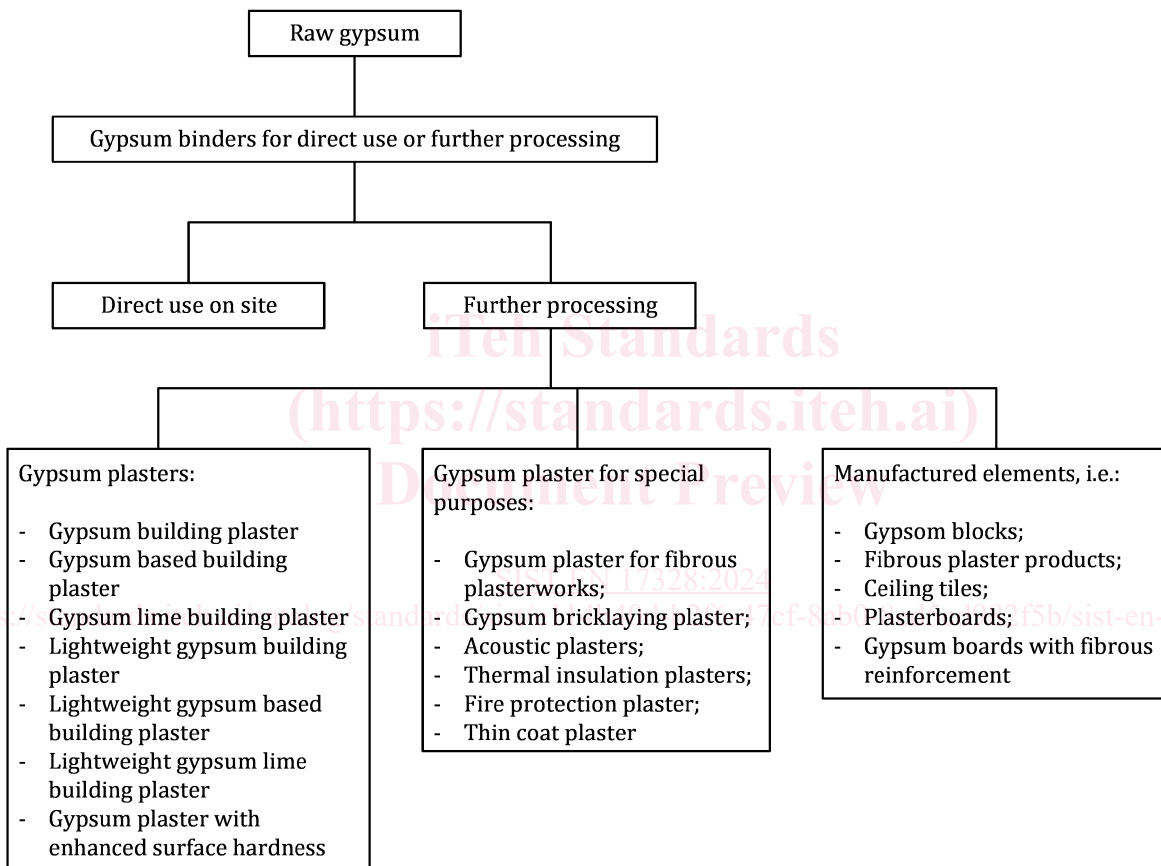
Communication formats are as in EN 15804:2012+A2:2019.

6 Product category rules for LCA

6.1 Product category

6.1.1 General

The product category referred to in this standard includes all gypsum-based construction products (Figure 2). In this product category, based on the main differences between physical form and application, three product families can be defined: board products, powders products and cast products.



NOTE 1 See EN 520:2004+A1:2009.

NOTE 2 In addition to this extract from EN 520, floor screed based on calcium sulfate can be added to the “gypsum plasters” block in Figure 2.

Figure 2 — Gypsum-based product families

6.1.2 Board products

The board products include:

- gypsum plasterboard (EN 520:2004+A1:2009);
- gypsum board with fibrous mat reinforcement (EN 15283-1:2008+A1:2009);
- gypsum fibre board (EN 15283-2:2008+A1:2009);
- gypsum plasterboard products from reprocessing (EN 14190:2014);
- gypsum plasterboard thermal/acoustic insulation composite or sandwich panels (EN 13950:2014)³;
- prefabricated gypsum plasterboard panels with a cellular paperboard core (EN 13915:2017).

6.1.3 Powders products

The powders products include:

- gypsum binders and gypsum plasters (EN 13279-1:2008 / EN 13279-2:2014);
- jointing materials for gypsum plasterboards (EN 13963:2014);
- gypsum based adhesives for thermal/acoustic insulation composite panels and plasterboards (EN 14496:2017);
- gypsum based adhesives for gypsum blocks (EN 12860:2001⁷);
- Binders, composite binders and factory-made mixtures for floor screed based on calcium sulfate (EN 13454-1:2004/ EN 13454-2:2019).

6.1.4 Cast products

The cast products include:

- gypsum blocks (EN 12859:2011 and EN 15318:2007);
- gypsum elements for suspended ceilings (EN 14246:2006⁷);
- fibrous gypsum plaster casts (EN 13815:2006 and EN 15319:2007);
- preformed plasterboard cornices (EN 14209:2017).

6.2 Life cycle stages and their information modules to be included

6.2.1 General

As in EN 15804:2012+A2:2019.

³ Please note that product category rules available for the insulation part of composite or sandwich panels should be considered as well.