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Interested committees:

Title: Draft BS EN 17074 BS Sustainability of construction works - Environmental product declarations - Product Category Rules for flat glass and channel shaped glass products.

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

Sustainability of construction works - Environmental
product declarations - Product Category Rules for flat glass
and channel shaped glass products

Verre dans la construction - Déclarations
environnementales de produits - Règles de catégories
de produits complémentaires à la norme EN 15804
pour les produits en verre plat et en verre profilé

Nachhaltigkeit von Bauwerken -
Umweltproduktdeklarationen -
Produktkategorieregeln für Flachglas und
rinnenförmige Glasprodukte

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 129.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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 (prEN 17074:2025) has been prepared by Technical Committee CEN/TC 129 “Glass in building”, the secretariat of which is held by NBN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 17074:2019.

prEN 17074:2025 is fully consistent with EN 15804:2012+A2:2019+AC:2021 and includes the following significant technical changes with respect to EN 17074:2019:

- clearer definitions of different cullet types and modification of their names;
- removal of product stages A'1, A'2 and A'3;
- introduction of declared unit;
- inclusion of the reference to EN 17416:2021;
- clearer guideline for module D;
- clearer application rules for different cullet types;
- introduction of allocation rules (co-product allocation and allocation procedure for reuse, recycling and recovery);
- clarification of the product information in the EPD;
- exclusion of glass blocks from the scope of this version of the standard.

1 Scope

This document provides complementary product category rules (c-PCR) for Type III environmental product declarations (EPD) for flat glass and channel shaped glass products for use in buildings and construction works. It describes stages of product's life cycle considered in the EPD and the processes included in life cycle stages.

For glass products covered by a European standard, the description, physical properties and useful technical details that can be relevant for EPD are described in Annex H.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 572-1, *Glass in building — Basic soda lime silicate glass products — Part 1: Definitions and general physical and mechanical properties*

EN 15804:2012+A2:2019+AC:2021, *Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products*

EN 17416:2021, *Glass in building — Assessment of release of dangerous substances — Determination of emissions into indoor air from glass products*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15804:2012+A2:2019+AC:2021 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

end-of-waste-status

status of a product that is no longer a waste

Note 1 to entry: Conditions of end-of-waste status are described in the Article 6 of the consolidated version of Directive 2008/98/EC from 18.02.2024.

3.2

furnace process cullet

cullet generated by a glass melting furnace for quality rejects or other reason (edge rejects, geometrical losses, etc.) during production period or during non-production period (culleting, colour transition, furnace draining), through any furnace exit (forming exit, furnace drain-out during production or at furnace emptying), capable of being re-introduced in a glass melting furnace on the same or another manufacturing site with no other treatment than crushing and/or standard magnetic/metallic separation

Note 1 to entry: The term “furnace process cullet” is used here in context of a “cullet produced by the glass furnace process”, therefore glass furnace producing the cullet and glass furnace receiving the cullet for melting may belong to two different manufacturing sites.

Note 2 to entry: Limits between different cullet types are specified in Table 1.

Note 3 to entry: This excludes other furnaces e.g. tempering and bending furnaces.

Note 4 to entry: In EN 17074:2019, the furnace process cullet was called internal cullet.

3.3

pre-consumer cullet

co-product resulting from industrial operations starting with stacking of glass after their exit from glass melting furnace and ending at the stage where product achieves finished-product status

Note 1 to entry: An example of pre-consumer cullet is the glass cullet constituted by off cuts of glass processing (manufacturing of mirror, coated glass, insulating glass unit, laminated glass, etc.).

Note 2 to entry: Cullet collected from glass processing on the same manufacturing site as the glass melting furnace is pre-consumer cullet.

Note 3 to entry: Pre-consumer cullet is considered as co-product and not as secondary material in the context of Life Cycle Assessment according to EN 15804 (see Annex G).

Note 4 to entry: Limits between different cullet types are specified in Table 1.

Note 5 to entry: In EN 17074:2019, the pre-consumer cullet was called external pre-consumer cullet.

Note 6 to entry: Cullet coming from online cutting of cut-size glass after cutting of the ribbon may be considered as pre-consumer cullet provided that the calculation of the quantity takes into account cutting yield and quality losses.

3.4

post-consumer cullet

glass waste originated from finished products before, during or after their use at the consumer market

Note 1 to entry: This includes returns or breakages of finished products from transport or distribution chain (adapted from EN ISO 14021:2016).

Note 2 to entry: Post-consumer cullet is considered as secondary material in the context of Life Cycle Assessment according to EN 15804 (see Annex G).

Note 3 to entry: Limits between different cullet types are specified in Table 1.

Note 4 to entry: In EN 17074:2019, the post-consumer cullet was called external post-consumer cullet.

3.5

secondary material

as in EN 15804

Note 1 to entry: Only post-consumer cullet is considered as secondary material in the context of Life Cycle Assessment according to EN 15804. Pre-consumer cullet is considered as co-product and furnace process cullet is an internal flow (see Annex G).

3.6

basic glass product

basic glass

monolithic, transparent, translucent, clear or tinted glass, wired or not, supplied in rectangular flat panes or channel shaped, in stock sizes, for either final use in buildings or further processing

Note 1 to entry: Basic glass products can be of the following types:

- basic soda lime silicate glass products (EN 572-1, EN 572-2, EN 572-3, EN 572-4, EN 572-5, EN 572-6 and EN 572-7);
- special basic products - borosilicate glasses (EN 1748-1-1);
- special basic products - glass ceramics (EN 1748-2-1);
- basic alkaline earth silicate glass products (EN 14178-1);
- basic alumino silicate glass products (EN 15681-1);
- online coated glass (EN 1096-1).

3.7

intermediate glass product

product that has left a manufacturing line other than the glass melting furnace to be further processed in one or more other manufacturing line(s) in order to become finished product

Note 1 to entry: Examples of intermediate glass product are offline coated glass, laminated glass, acid-etched glass, painted glass, mirrors, etc.

3.8

finished glass product

product that is ready to be installed in a building or construction work

3.9

processed glass product

processed glass

one or more basic glass products further processed into an intermediate or a finished glass product

Note 1 to entry: Processed glass products can be of the following types:

- prestressed glass including enamelled glass;
- curved monolithic glass;
- laminated glass: laminated (safety) glass, building integrated laminated photovoltaic glass (BIPV) and curved laminated glass;
- glass with modified surface e.g. offline coated glass, acid etched glass, mirrors;
- insulating glass: insulating glass unit (IGU) vacuum insulating glass (VIG) and curved IGU.

3.10

glass product

glass

any glass product according to 3.6 or 3.9

4 Abbreviations

As in EN 15804.

5 General aspects

5.1 Objective of the Core PCR

As in EN 15804.

5.2 Types of EPD with respect to life cycle stages covered

Shall be according to EN 15804.

5.3 Comparability of EPD for construction products

Shall be according to EN 15804. In addition:

Only glass products of the same type should be compared.

NOTE Comparison of two distinct products e.g. single glass units with triple glass units or annealed float with a pre-stressed float could generate misleading conclusions.

5.4 Additional environmental information

5.4.1 General

Shall be according to EN 15804.

5.4.2 Additional impact indicators

Shall be according to EN 15804.

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

Shall be according to EN 15804.

5.4.4 Additional information not derived from LCA

Shall be according to EN 15804. In addition:

Two following categories shall be addressed for glass products:

- Technical and functional performance data generally listed in Declaration of Performance, EU Declaration of Conformity or a technical datasheet applicable to the product;
- In case of painted glass, filmed glass, mirrors, as well as other glass products containing organic components, the emissions to indoor air according to EN 17416:2021.

EN 15804:2012+A2:2019+AC:2021 does not include any assessment of potential environmental benefits from the product's use in the building, (e.g. from energy savings due to a better insulation or solar gains in the building when glass products are in use).

Therefore, they shall not be included in the calculations of the results presented in the EPD. However, environment benefits from energy savings and losses in the use stage may be presented as 'additional information' in the EPD. When calculating the environmental benefits during the use phase of glass products, the methodology applied shall be documented (see Annex G).

5.5 Ownership, responsibility and liability for the EPD

Shall be according to EN 15804.

5.6 Communication formats

Shall be according to EN 15804.

6 Product Category Rules for LCA

6.1 Product category

Glass products are used in a variety of construction applications generally to provide a transparent, impermeable barrier, which may have additional insulating, solar control, security, noise reduction or decorative properties.

These c-PCR are applicable to the production of glass products for use in buildings such as:

- Float glass according to EN 572-2;
- Polished wired glass according to EN 572-3;
- Drawn sheet glass according to EN 572-4;
- Patterned glass according to EN 572-5;
- Wired patterned glass according to EN 572-6;
- Wired or unwired channel-shaped according to EN 572-7;
- Borosilicate glass according to EN 1748-1-1;
- Glass ceramics according to EN 1748-2-1;
- Alkaline earth silicate glass according to EN 14178-1;
- Alumina silicate according to EN 15681-1;
- Heat strengthened soda lime silicate glass according to EN 1863-1;
- Thermally toughened soda lime silicate safety glass according to EN 12150-1;
- Heat soaked thermally toughened soda lime silicate safety glass according to EN 14179-1;
- Chemically strengthened soda lime silicate glass according to EN 12337-1;
- Thermally toughened borosilicate safety glass according to EN 13024-1;
- Thermally toughened alkaline earth silicate safety glass according to EN 14321-1;
- Heat soaked thermally toughened alkaline earth silicate safety glass according to EN 15682-1;
- Thermally toughened soda lime silicate channel shaped safety glass according to EN 15683-1;
- Laminated glass and laminated safety glass according to EN ISO 12543-1, EN ISO 12543-2 and EN ISO 12543-3;
- Insulating glass unit according to EN 1279-1;
- Coated glass according to EN 1096-1;
- Mirror form silvered coated glass for interior use according to EN 1036-1;
- Painted glass according to EN 16477-1;