

Glass in building - Environmental product declaration -
Product category rules for flat glass products

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Glass in building - Environmental product declaration -
Product category rules for flat glass products

Verre dans la construction - Déclaration
environnementale des produits - Règles régissant les
catégories de produits en verre plat

Glas im Bauwesen - Umweltproduktdeklaration -
Produktkategorieregeln für Flachglasprodukte

This European Standard was approved by CEN on 2 September 2019.

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European foreword

This document (EN 17074:2019) has been prepared by Technical Committee CEN/TC 129 “Glass in building”, the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

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Introduction

This document provides Product Specific Category Rules for flat glass products (Flat Glass PCR) used in buildings and other construction works to support the assessment of the environmental performance and the development of Environment Product Declarations.

This Flat Glass PCR aims at complementing the general rules established in EN 15804:2012+A1:2013, by providing additional detailed rules on technical and environmental aspects of the manufacture of flat glass products, as well as information on relevant aspects linked to use and end-of-life stages, on a harmonized and scientific basis.

It specifies the requirements for the Life Cycle Assessment (LCA) study and the format and content of the EPD itself.

In the Environment Product Declarations, the information is presented by way of a modular approach, which allows for the easy organization and expression of data packages throughout the life cycle stages of the product. The approach requires that the underlying data should be consistent, reproducible and comparable.

1 Scope

This document covers all life cycle stages, from cradle to grave, namely product stage, construction process stage, use stage and end-of-life stage of glass products (see Clause 4), used in buildings.

While covering all life cycle stages, this PCR primarily focuses on the product stage, in particular the manufacturing of flat glass and the consequent processing into flat glass products (as listed in point 4.), from cradle to gate. It covers raw materials and energy supply, transport, flat glass manufacturing, flat glass processing, packaging and storage.

All requirements and recommendations in this PCR for the elaboration of the Life Cycle Inventory may be applicable to flat glass used in other applications.

This PCR includes the rules to produce EPD that contains more than one thickness or configuration of the same product.

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 572-1:2012+A1:2016, *Glass in building - Basic soda lime silicate glass products - Part 1: Definitions and general physical and mechanical properties*

EN 572-2, *Glass in building - Basic soda lime silicate glass products - Part 2: Float glass*

EN 572-3, *Glass in building - Basic soda lime silicate glass products - Part 3: Polished wired glass*

EN 572-4, *Glass in building - Basic soda lime silicate glass products - Part 4: Drawn sheet glass*

EN 572-5, *Glass in building - Basic soda lime silicate glass products - Part 5: Patterned glass*

EN 572-6, *Glass in building - Basic soda lime silicate glass products - Part 6: Wired patterned glass*

EN 572-7, *Glass in building - Basic soda lime silicate glass products - Part 7: Wired or unwired channel shaped glass*

EN 1036-1, *Glass in building - Mirrors from silver-coated float glass for internal use - Part 1: Definitions, requirements and test methods*

EN 1051-1, *Glass in building - Glass blocks and glass pavers - Part 1: Definitions and description*

EN 1096-1, *Glass in building - Coated glass - Part 1: Definitions and classification*

EN 1279-1, *Glass in Building - Insulating glass units - Part 1: Generalities, system description, rules for substitution, tolerances and visual quality*

EN 1748-1-1, *Glass in building - Special basic products -Borosilicate glasses - Part 1-1: Definition and general physical and mechanical properties*

EN 1748-2-1, *Glass in building - Special basic products - Glass ceramics - Part 2-1 Definitions and general physical and mechanical properties*

EN 1863-1, *Glass in building - Heat strengthened soda lime silicate glass - Part 1: Definition and description*

EN 12150-1:2015+A1:2019, *Glass in building - Thermally toughened soda lime silicate safety glass - Part 1: Definition and description*

EN 12337-1, *Glass in building - Chemically strengthened soda lime silicate glass - Part 1: Definition and description*

EN 13024-1, *Glass in building - Thermally toughened borosilicate safety glass - Part 1: Definition and description*

EN 14178-1, *Glass in building - Basic alkaline earth silicate glass products - Part 1: Float glass*

EN 14179-1, *Glass in building - Heat soaked thermally toughened soda lime silicate safety glass - Part 1: Definition and description*

EN 14321-1, *Glass in building - Thermally toughened alkaline earth silicate safety glass - Part 1: Definition and description*

EN 15681-1, *Glass in building - Basic alumino silicate glass products - Part 1: Definitions and general physical and mechanical properties*

EN 15682-1, *Glass in building - Heat soaked thermally toughened alkaline earth silicate safety glass - Part 1: Definition and description*

EN 15683-1, *Glass in building - Thermally toughened soda lime silicate channel shaped safety glass - Part 1: Definition and description*

EN 15755-1, *Glass in building - Adhesive backed polymeric filmed glass - Part 1: Definitions and requirements*

EN 15804:2012+A1:2013, *Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products*

EN 16477-1, *Glass in building - Painted glass for internal use - Part 1: Requirements*

EN ISO 12543-1, *Glass in building - Laminated glass and laminated safety glass - Part 1: Definitions and description of component parts (ISO 12543-1)*

EN ISO 12543-2, *Glass in building - Laminated glass and laminated safety glass - Part 2: Laminated safety glass (ISO 12543-2)*

EN ISO 12543-3, *Glass in building - Laminated glass and laminated safety glass - Part 3: Laminated glass (ISO 12543-3)*

EN ISO 14025, *Environmental labels and declarations - Type III environmental declarations - Principles and procedures (ISO 14025)*