DIN EN 18001:2025-04 (E)

Curtain walling - Environmental product declarations - Product category rules for curtain walling

Contents

Page

European foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 7

4 Symbols and abbreviated terms 7

5 General aspects 7
5.1 Objective of this PCR 7
5.2 Types of EPD with respect to life cycle stages covered 8
5.3 Comparability of EPD for construction products 8
5.4 Additional environmental information 8
5.4.1 General 8
5.4.2 Additional impact indicators 8
5.4.3 Additional information on carbon offset, carbon storage and delayed emissions 8
5.4.4 Additional Information not derived from LCA 8
5.5 Ownership, responsibility and liability for the EPD 8
5.6 Communication formats 8

6 Product Category Rules for LCA 9
6.1 Product category 9
6.2 Life cycle stages and their information modules to be included 9
6.2.1 General 9
6.2.2 A1-A3, Product stage, information modules 9
6.2.3 A4-A5, Construction process stage, information modules 9
6.2.4 B1-B5, Use stage, information modules related to the building fabric 9
6.2.5 B6-B7, Use stage, information modules related to the operation of the building 9
6.2.6 C1-C4, End-of-life stage, information modules 9
6.2.7 D, Benefits and loads beyond the system boundary, information modules 9
6.3 Calculation rules for the LCA 9
6.3.1 Functional or declared unit 9
6.3.2 Functional unit 9
6.3.3 Declared unit 10
6.3.4 Reference service life (RSL) 10
6.3.5 System boundaries 11
6.3.6 Criteria for the exclusion of inputs and outputs 12
6.3.7 Selection of data 12
6.3.8 Data quality requirements 12
6.3.9 Developing product level scenarios 12
6.3.10 Units 12
6.4 Inventory analysis 13
6.4.1 Collecting data 13
6.4.2 Calculation procedures 13
6.4.3 Allocation of input flows and output emissions 13
6.4.4 Information on biogenic carbon content 13
6.5 Impact assessment 13

6.5.1 General ... 13
6.5.2 Core environmental impact indicators ... 13
6.5.3 Additional environmental impact indicators ... 13

7 Content of the EPD ... 13
7.1 Declaration of general information ... 13
7.2 Declaration of environmental indicators derived from LCA ... 13
7.2.1 General ... 13
7.2.2 Rules for declaring LCA information per module ... 13
7.2.3 Indicators describing environmental impacts based on LCIA ... 14
7.2.4 Indicators describing resource use and environmental information based on LCI ... 14
7.2.5 Information on biogenic carbon content ... 14
7.3 Scenarios and additional technical information ... 14
7.3.1 General ... 14
7.3.2 Construction process stage ... 14
7.3.3 B1-B7 use stage ... 14
7.3.4 End-of-life ... 14
7.4 Additional information on release of dangerous substances to indoor air, soil and water during the use stage ... 14
7.4.1 Indoor air ... 14
7.4.2 Soil and water ... 14
7.5 Aggregation of information modules ... 14

8 Project report ... 15
8.1 General ... 15
8.2 LCA-related elements of the project report ... 15
8.3 Documentation on additional information ... 15
8.4 Data availability for verification ... 15

9 Verification and validity of an EPD ... 15

Annex A (informative) Requirements and guidance on the reference service life ... 16

Annex B (informative) Waste ... 17

Annex C (informative) Characterization factors for global warming (GWP), ozone depletion (ODP), acidification (AP), eutrophication (EP), photochemical oxidant creation (POCP) and abiotic depletion (ADP) ... 18

Annex D (informative) End of life formulae ... 19

Annex E (informative) Schemes to be applied for data quality assessment of generic and specific data ... 20

Annex F (normative) Reference product ... 21

Annex G (informative) Default transport, installation, use stage and End-of-life scenarios ... 26

Bibliography ... 31