DIN EN 16908:2017-05 (E)

Cement and building lime - Environmental product declarations - Product category rules complementary to EN 15804

Contents

Page

European foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 6

4 Abbreviations 6

5 General aspects 6
5.1 Objective of the Core PCR 6
5.2 Types of EPD with respect to life cycle stages covered 6
5.3 Comparability of EPD for construction products 6
5.4 Additional information 7
5.5 Ownership, responsibility and liability for the EPD 7
5.6 Communication formats 7

6 Product Category Rules for LCA 7
6.1 Product category 7
6.2 Life cycle stages and their information modules to be included 7
6.2.1 General 7
6.2.2 A1-A3, Product stage, information modules 7
6.2.3 A4-A5, Construction process stage, information modules 7
6.2.4 B1-B5, Use stage, information modules related to the building fabric 7
6.2.5 B6-B7, Use stage, information modules related to the operation of the building 7
6.2.6 C1-C4, End-of-life-stage, information modules 8
6.2.7 D, Benefits and loads beyond the system boundary, information module 8
6.3 Calculation rules for the LCA 8
6.3.1 Functional unit 8
6.3.2 Declared unit 8
6.3.3 Reference service life (RSL) 8
6.3.4 System boundaries 8
6.3.5 Criteria for the exclusion of inputs and outputs 12
6.3.6 Selection of data 12
6.3.7 Data quality requirements 12
6.3.8 Developing product level scenarios 12
6.3.9 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
6.5 Impact assessment 14

7 Content of the EPD 14
7.1 Declaration of general information 14
7.2 Declaration of environmental parameters derived from LCA 15
7.2.1 General 15
7.2.2 Rules for declaring LCA information per module 16

7.2.3 Parameters describing environmental impacts 16
7.2.4 Parameters describing resource use 16
7.2.5 Other environmental information describing different waste categories and output flows 16
7.3 Scenarios and additional technical information 16
7.3.1 General 16
7.3.2 Construction process stage 16
7.3.3 B1-B7 Use stage 16
7.3.4 End-of-life 16
7.3.5 Carbonation in cement-based products 16
7.3.6 Carbonation in building lime 17
7.4 Additional information on release of dangerous substances to indoor air, soil and water during the use stage 17
7.5 Aggregation of information modules 17

8 Project report 17

9 Verification and validity of an EPD 17

Bibliography 23

.....

Annex A (normative) Requirements and guidance on the reference service life 18

Annex B (informative) Waste 19

Annex C (normative) Characterization factors for GWP, ODP, AP, EP, POCP and ADP 20

Annex D (informative) Application of the polluter pays principle 21