



**NSAI**  
Standards

Irish Standard  
I.S. EN 16810:2017

Resilient, textile and laminate floor coverings  
- Environmental product declarations -  
Product category rules

**I.S. EN 16810:2017**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

*NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.*

*This document is based on:*

EN 16810:2017

*Published:*

2017-05-17

*This document was published under the authority of the NSAI and comes into effect on:*

2017-06-04

ICS number:

13.020.50

97.150

NOTE: If blank see CEN/CENELEC cover page

NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

I.S. EN 16810:2017 is the adopted Irish version of the European Document EN 16810:2017, Resilient, textile and laminate floor coverings - Environmental product declarations - Product category rules

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

This page is intentionally left blank

EUROPEAN STANDARD

**EN 16810**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2017

---

ICS 13.020.50; 97.150

English Version

**Resilient, textile and laminate floor coverings -  
Environmental product declarations - Product category  
rules**

Revêtements de sol résilients, textiles et stratifiés -  
Déclarations environnementales des produits - Règles  
régissant les catégories de produits

Elastische, textile und Laminat-Bodenbeläge - Umwelt-  
Produktdeklarationen - Produktkategorieregeln

This European Standard was approved by CEN on 13 February 2017.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

<b>Contents</b>	<b>Page</b>
European foreword.....	3
Introduction .....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions .....	6
4 Abbreviations .....	10
5 General aspects.....	11
5.1 Objectives of product categorization rules.....	11
5.2 EPD with respect to life cycle stages covered .....	11
5.3 Comparability of EPD for floor coverings.....	14
5.4 Ownership, responsibility and liability for the EPD.....	15
5.5 Communication formats .....	15
6 Product Category Rules for LCA.....	15
6.1 Product category .....	15
6.2 Life cycle stages and their information modules to be included .....	15
6.3 Calculation rules for the LCA.....	16
6.4 Inventory analysis .....	22
6.5 Accounting for biogenic carbon during the life cycle.....	24
6.6 Impact assessment.....	25
7 Content of the EPD .....	26
7.1 Declaration of general information.....	26
7.2 Declaration of environmental parameters derived from LCA.....	29
7.3 Scenarios and additional technical information.....	32
7.4 Aggregation of information modules.....	35
8 Project report.....	35
8.1 General.....	35
8.2 Background report .....	35
8.3 LCA-related elements of the project report.....	35
8.4 Documentation on additional information.....	37
8.5 Data availability for verification.....	37
9 Verification and validity of an EPD .....	38
Annex A (normative) Requirements and guidance on the reference service life.....	39
Annex B (Informative) Reference Service Life (RSL) for floor covering.....	43
Annex C (Informative) Waste .....	44
Bibliography .....	45

## **European foreword**

This document (EN 16810:2017) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, 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 November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **EN 16810:2017 (E)**

### **Introduction**

This European standard provides core product category rules for resilient, textile and laminate floor coverings. It is based on the principles laid down in EN 15804 and in EN ISO 14025 and modified to suit the specific needs of the product families addressed in the scope of this standard.

It provides a structure to ensure that all Environmental Product Declarations (EPD) for resilient, textile and laminate floor coverings processes are derived, verified and presented in a harmonized way.

An EPD communicates verifiable, accurate, non-misleading environmental information for products and their applications, thereby supporting scientifically based, fair choices and stimulating the potential for market driven continuous environmental improvement.

EPD information is expressed in information modules, which allow easy organization and expression of data packages throughout the life cycle of the product. The approach requires that the underlying data should be consistent, reproducible and comparable.

The EPD is expressed in a form that allows aggregation (addition) to provide complete information for buildings. This standard does not deal with aggregation at the building level nor does this standard describe the rules for applying EPD in a building assessment.

The standard deals with a limited number of quantifiable predetermined parameters. Future revisions may incorporate additional parameters.

This European Standard provides the means for developing a Type III environmental declaration of resilient, textile and laminate floor coverings



## 1 Scope

This European standard provides product category rules (PCR) for Type III environmental product declarations (EPD) for resilient, textile and laminate floor coverings.

This standard applies to the following types of floor coverings:

- resilient floor coverings manufactured from plastics, linoleum, cork or rubber, including loose-laid mats;
- textile floor coverings, including loose-laid mats, rugs and runners;
- laminate floor coverings;
- modular floating floor coverings panels;

An EPD may be developed for single or individual products, product groups and average products.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CEN/TS 15398, *Resilient, textile and laminate floor coverings - Floor covering standard symbols - Complementary element*

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

CEN/TR 15941, *Sustainability of construction works - Environmental product declarations - Methodology for selection and use of generic data*

EN 15942, *Sustainability of construction works - Environmental product declarations - Communication format business-to-business*

EN 16485, *Round and sawn timber - Environmental Product Declarations - Product category rules for wood and wood-based products for use in construction*

EN ISO 10874, *Resilient, textile and laminate floor coverings - Classification (ISO 10874)*

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

EN ISO 14044:2006, *Environmental management - Life cycle assessment - Requirements and guidelines (ISO 14044:2006)*

ISO 15686-1, *Buildings and constructed assets — Service life planning — Part 1: General principles and framework*

ISO 15686-2, *Buildings and constructed assets — Service life planning — Part 2: Service life prediction procedures*

ISO 15686-7, *Buildings and constructed assets — Service life planning — Part 7: Performance evaluation for feedback of service life data from practice*

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-