



SLOVENSKI STANDARD

SIST EN 16904:2025

01-december-2025

Cevni sistemi iz polimernih materialov znotraj stavbne strukture - Okoljske deklaracije za proizvode - Pravila za kategorije proizvodov, ki dopolnjujejo EN 15804

Plastics piping systems inside the building structure - Environmental product declarations - Product category rules complementary to EN 15804

Kunststoff-Rohrleitungssysteme innerhalb der Gebäudestruktur - Umweltproduktdeklarationen - Produktkategorieregeln entsprechend EN 15804

Systèmes de canalisations en plastique à l'intérieur de la structure du bâtiment - Déclarations environnementales des produits - Règles régissant les catégories de produits complémentaires de l'EN 15804

[SIST EN 16904:2025](https://standards.iteh.ai/SIST/EN/16904/2025)

[https://standards.iteh.ai/SIST/EN/16904:2025](https://standards.iteh.ai/SIST/EN/16904/2025) [14-61172e29a540/sist-en-16904-2025](https://standards.iteh.ai/SIST/EN/16904/2025)

ICS:

13.020.20	Okoljska ekonomija. Trajnostnost	Environmental economics. Sustainability
23.040.20	Cevi iz polimernih materialov	Plastics pipes

SIST EN 16904:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 16904

October 2025

ICS 23.040.20; 23.040.45; 91.010.99

English Version

**Plastics piping systems inside the building structure -
Environmental product declarations - Product category
rules complementary to EN 15804**

Systèmes de canalisations en plastique à l'intérieur de
la structure du bâtiment - Déclarations
environnementales des produits - Règles régissant les
catégories de produits complémentaires de l'EN 15804

Kunststoff-Rohrleitungssysteme innerhalb der
Gebäudestruktur - Umweltproduktdeklarationen -
Produktkategorieregeln entsprechend EN 15804

This European Standard was approved by CEN on 13 July 2025.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/6fba174a-2278-4cdd-bd14-61172e29a540/sist-en-16904-2025>



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Abbreviations	9
5 General aspects.....	9
5.1 Objective of the PCR for plastics piping systems inside buildings	9
5.2 Types of EPD with respect to life cycle stages covered.....	9
5.3 Comparability of EPD for construction products	11
5.4 Additional information	11
5.5 Ownership, responsibility and liability for the EPD	11
5.6 Communication formats	11
6 Product Category Rules for LCA	11
6.1 Product category	11
6.2 Life cycle stages and their information modules to be included	11
6.2.1 General.....	11
6.2.2 A1-A3, Product stage, information modules	11
6.2.3 A4-A5, Construction process stage, information modules	11
6.2.4 B1-B5, Use stage, information modules related to the plastics piping systems	11
6.2.5 B6-B7, use stage, information modules related to the operation of the plastics piping systems	11
6.2.6 C1-C4 End-of-life stage, information modules	11
6.2.7 D, Benefits and loads beyond the system boundary, information module	12
6.3 Calculation rules for the LCA.....	12
6.3.1 Functional or declared unit.....	12
6.3.2 Functional unit.....	12
6.3.3 Declared unit	13
6.3.4 Reference service life (RSL).....	13
6.3.5 System boundaries	13
6.3.6 Criteria for the exclusion of inputs and outputs.....	16
6.3.7 Selection of data.....	17
6.3.8 Data quality requirements.....	18
6.3.9 Developing product level scenarios	18
6.3.10 Units	19
6.4 Inventory analysis	19
6.4.1 Collecting data.....	19
6.4.2 Calculation procedures	19
6.4.3 Allocation of input flows and output emissions.....	19
6.4.4 Information on biogenic carbon content.....	19
6.5 Impact assessment.....	19
7 Content of the EPD	20
7.1 Declaration of general information.....	20
7.2 Declaration of environmental indicators derived from LCA.....	20
7.3 Scenarios and additional technical information.....	20
7.3.1 General.....	20
7.3.2 Construction process stage.....	20

7.3.3	B1-B7 use stage	21
7.3.4	End-of-life	21
7.4	Additional information on release of dangerous substances to, soil and ground water during the use stage	21
7.4.1	Indoor air	21
7.4.2	Soil and ground water	21
7.5	Aggregation of information modules	21
8	Project report	21
8.1	General	21
8.2	LCA-related elements of the project report	21
8.3	Documentation on additional information	21
8.4	Data availability for verification	21
9	Verification and validity of an EPD	22
Annex A	(informative) Waste	23
A.1	End-of-waste	23
A.2	Properties of hazardous wastes for of EN 15804:2012+A2:2019	23
Annex B	(informative) Examples for functional and declared units	24
B.1	Example 1: Functional unit- Life cycle assessment of a PE-X hot and cold drinking water system inside the building structure	24
B.2	Example 2: Functional unit - Life cycle assessment of a PVC-U Soil and Waste system inside building structure	26
B.3	Example 3: Declared unit -Life Cycle Assessment of a Hot and Cold PE-X pipe	28
Annex C	(informative) List of product and application standards	30
Annex D	(informative) Applications and intended used of plastic piping system buried outside building structure	33
Annex E	(informative) Reading guide	34
Bibliography		35