

<b>STN</b>	<b>Potrúbné systémy z plastov vo vnútri konštrukcie budov Environmentálne vyhlásenia o výrobkoch Pravidlá kategórie výrobkov, ktoré dopĺňajú EN 15804</b>	<b>STN EN 16904</b>  64 3281
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Plastics piping systems inside the building structure - Environmental product declarations - Product category rules complementary to EN 15804

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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**EN 16904:2025 (E)****European foreword**

This document (EN 16904:2025) has been prepared by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems”, the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by April 2026, and conflicting national standards shall be withdrawn at the latest by April 2026.

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.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, 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 the United Kingdom.

## **Introduction**

The European standard EN 15804+A2 specifies core product category rules for all construction products and services. It specifies a structure to ensure that all Environmental Product Declarations (EPD) of construction products, construction services and construction processes are derived, verified and presented in a harmonized way.

This document, based on EN 15804+A2, specifies the Product Category Rules for Environmental Product Declarations (EPD) for plastics piping systems inside the building structure and their main structural components.

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.

The standardization process has taken place in accordance with EN ISO 14025. All common issues are covered horizontally for all product types in order to minimize vertical (branch specific) deviations.

EPD information is expressed in information modules, as specified in EN 15804+A2, which allow easy organization and expression of data packages throughout the life cycle of the buried plastics piping systems (constructions work). 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 construction works. This standard does not deal with aggregation at the construction work level nor does this standard describes the rules for applying EPD in a construction work assessment.

The standard deals with a set of quantifiable predetermined parameters defined in EN 15804+A2. Future revisions may incorporate additional predetermined parameters in line with the changes of EN 15804+A2.

A reading guide of this document is provided in Annex E.

**EN 16904:2025 (E)****1 Scope**

This document specifies product category rules (PCR) for Environmental Product Declarations (EPDs), as described in EN ISO 14025 and EN 15942.

This document is applicable to:

- functional unit as plastics piping systems inside the building structure;
- declared unit as one or more main structural components which are represented by pipes and fittings, as specified by the list of product standards provided in Annex C.

This document gives guidelines for:

- both pressure and non-pressure applications;
- metal fittings (including manifolds) which are used in a plastic piping system.

The intended function of the system considered is to convey liquids according to EN 806 (for potable water supply), EN 1264 (for heating and cooling systems), EN 12828 (for radiators), EN 12056 (for soil and waste discharge and for water traps).

This document specifies product category rules of construction products as defined in and is intended to be used in conjunction with EN 15804+A2.

This document provides in Annex D a non-exhaustive list of application fields. In addition, the insulated pipes are not in the scope of this document.

In addition to EN 15804+A2, this document specifies:

- the functional unit (consisting of pipes, fittings and ancillary components) and declared unit (consisting of pipes and/or fittings);
- the system boundaries and additional mandatory modules to be declared;
- the processes to be included in the installation phase;
- scenarios for module A4, A5;
- reference service life (RSL);
- end of life scenarios.

**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 806 (all parts), *Specifications for installations inside buildings conveying water for human consumption*

EN 1264 (all parts), *Water based surface embedded heating and cooling systems*

EN 12056 (all parts), *Gravity drainage systems inside buildings*

EN 12828, *Heating systems in buildings — Design for water-based heating systems*

EN 15804:2012+A2:2019<sup>1</sup>, *Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products*

EN 15941, *Sustainability of construction works — Data quality for environmental assessment of products and construction work — Selection and use of data*

ISO 22057, *Sustainability in buildings and civil engineering works — Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

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<sup>1</sup> As impacted by EN 15804:2012+A2:2019/AC:2021.