

English Version

Plastics piping systems for non-pressure underground  
drains and sewers - Structured-wall piping systems of  
unplasticized poly(vinyl chloride) (PVC-U), polypropylene  
(PP) and polyethylene (PE) - Part 4: Assessment of  
conformity

Systèmes de canalisations en plastique pour les  
branchements et les collecteurs d'assainissement sans  
pression enterrés - Systèmes de canalisations à parois  
structurées en poly(chlorure de vinyle) non plastifié  
(PVC-U), polypropylène (PP) et polyéthylène (PE) -  
Partie 4 : Évaluation de la conformité

Kunststoff-Rohrleitungssysteme für erdverlegte  
drucklose Abwasserkanäle und -leitungen -  
Rohrleitungssysteme mit profilierter Wandung aus  
weichmacherfreiem Polyvinylchlorid (PVC-U),  
Polypropylen (PP) und Polyethylen (PE) - Teil 4:  
Beurteilung der Konformität

This Technical Specification (CEN/TS) was approved by CEN on 11 August 2025 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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## European foreword

This document (CEN/TS 13476-4:2025) has been prepared by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems”, the secretariat of which is held by NEN.

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.

This document supersedes CEN/TS 13476-4:2019.

This document includes the following significant technical changes with respect to CEN/TS 13476-4:2019:

- a) updating of the “terms” and “definitions” in line with EN 14541-1;
- b) “drainage and sewerage” changed into “drains and sewers” through the document;
- c) updated in line with material clauses and annexes prEN series;
- d) updated in line with detected and solved mistakes in prEN series;
- e) Table A.1 updated;
- f) editorial updates through the document.

EN 13476 consists of the following parts, under the general title “*Plastics piping systems for non-pressure underground drains and sewers — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE)*”:

- Part 1: General requirements and performance characteristics;
- Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A;
- Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B;
- Part 4: Guidance for the assessment of conformity (this document).

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 announce this Technical Specification: 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

This document details the applicable characteristics to be assessed for type testing (TT), batch release test (BRT), process verification test (PVT), and audit test (AT), as well as the frequency and sampling for testing.

The concept of testing and organization of those tests used for the AoC is shown, without or with certification, in Figures 1 and 2.

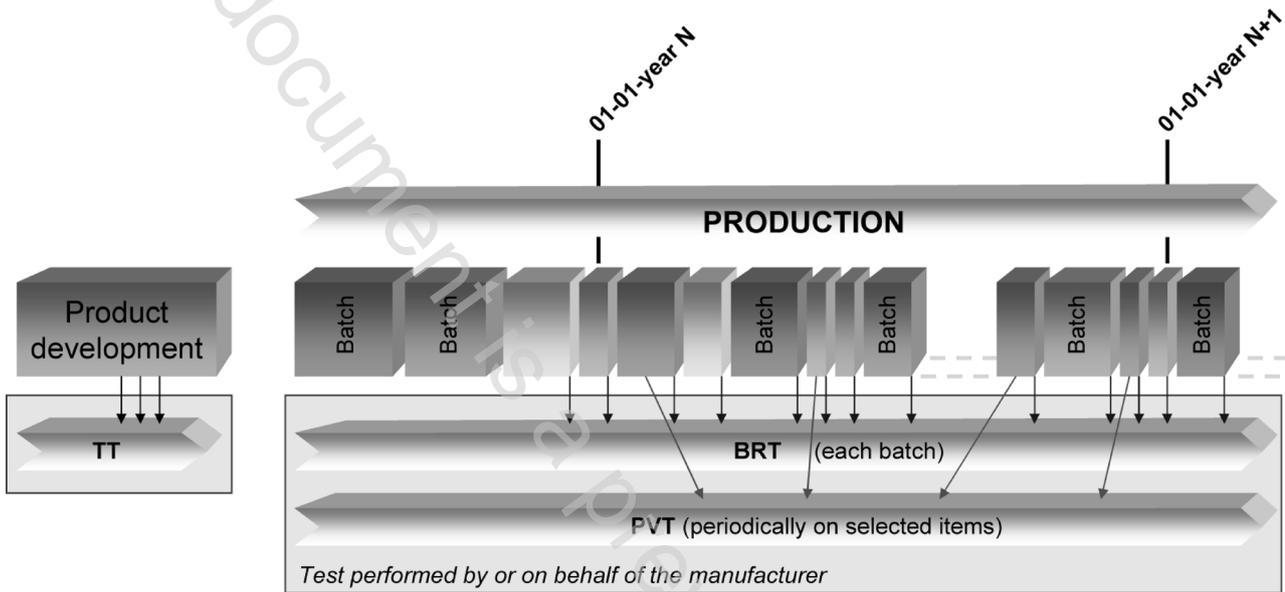


Figure 1 — Typical scheme for the AoC by a manufacturer, without certification

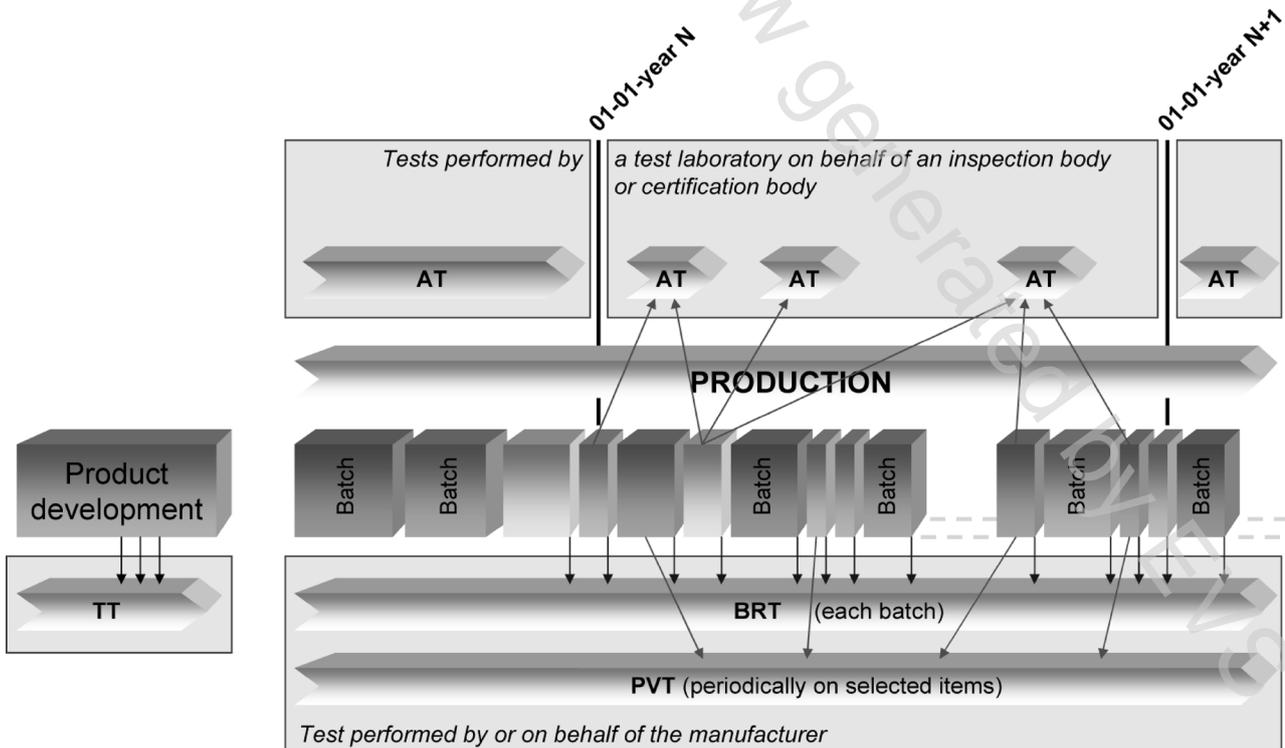


Figure 2 — Typical scheme for the AoC by a manufacturer, including certification

## 1 Scope

This document gives guidance and requirements for the assessment of conformity of materials, products, joints and assemblies in accordance with the applicable part(s) of EN 13476 intended to be included in the manufacturer's quality plan as part of the quality management system and for the establishment of certification procedures.

NOTE 1 A test matrix provides an overview of the testing scheme in Annex A, Table A.1.

NOTE 2 If certification is involved, the certification body operating in accordance with EN ISO/IEC 17065 <sup>[1]</sup> and EN ISO/IEC 17020 <sup>[2]</sup> is considered to be competent.

In conjunction with EN 13476-1:2025, EN 13476-2:2025 and EN 13476-3:2025 this document is applicable to Plastics piping systems for non-pressure underground drains and sewers — Structural-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE).

The application area code used in the marking of pipes and fittings indicates for which application area(s) the products are intended:

U: for the area more than 1 m from the building to which the buried piping system is connected, and

UD: for application area U and the area under and within 1 m from the building where the pipes and the fittings are buried in ground and are connected to the soil and waste discharge system of the building.

## 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 13476-1:2025, *Plastics piping systems for non-pressure underground drains and sewers — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 1: General requirements and performance characteristics*

EN 13476-2:2025, *Plastics piping systems for non-pressure underground drains and sewers — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A*

EN 13476-3:2025, *Plastics piping systems for non-pressure underground drains and sewers — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13476-1:2025, EN 13476-2:2025 and EN 13476-3:2025 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>