

English Version

Plastics piping systems for non-pressure underground
drainage and sewerage - Unplasticized poly(vinyl chloride)
(PVC-U), polypropylene (PP) and polyethylene (PE) - Part
3: Assessment of conformity

Systèmes de canalisations en plastique pour les
branchements et les collecteurs d'assainissement
enterrés sans pression - Poly(chlorure de vinyle) non
plastifié (PVCU), polypropylène (PP) et polyéthylène
(PE) - Partie 3: Évaluation de la conformité

Kunststoff-Rohrleitungssysteme für erdverlegte
drucklose Abwasserkanäle und -leitungen -
Weichmacherfreies Polyvinylchlorid (PVC-U),
Polypropylen (PP) und Polyethylen (PE) - Teil 3:
Empfehlungen für die Beurteilung der Konformität

This Technical Specification (CEN/TS) was approved by CEN on 17 October 2021 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.

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

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European foreword

This document (CEN/TS 13598-3:2021) 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 13598-3:2012.

Compared with CEN/TS 13598-3:2012, the following changes have been made:

- this document has been updated to comply with the latest CEN/TC 155 internal guide – Plastics piping systems – Template for documents for the assessment of conformity;
- type testing clauses have been updated to clarify what constitutes a change of material. Examples of a change of design, production processing method, extension of product range and system are also given;
- the applicable characteristics for assessment of conformity testing are now listed under separate Clauses 6 and 7 for EN 13598 parts 1 and 2 respectively;
- the tables in Clauses 6 and 7 have been updated to align the content and references with EN 13598-1:2020 and EN 13598-2:2020.

EN 13598 consists of the following Parts under the general title *Plastics piping systems for non-pressure underground drainage and sewerage — Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE)*:

- Part 1: Specifications for ancillary fittings and shallow chambers;
- Part 2: Specifications for manholes and inspection chambers;
- Part 3: Guidance for assessment of conformity (the present 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, Turkey 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.

This document has been prepared using the latest CEN/TC155/WG21 assessment of conformity template N1089.

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

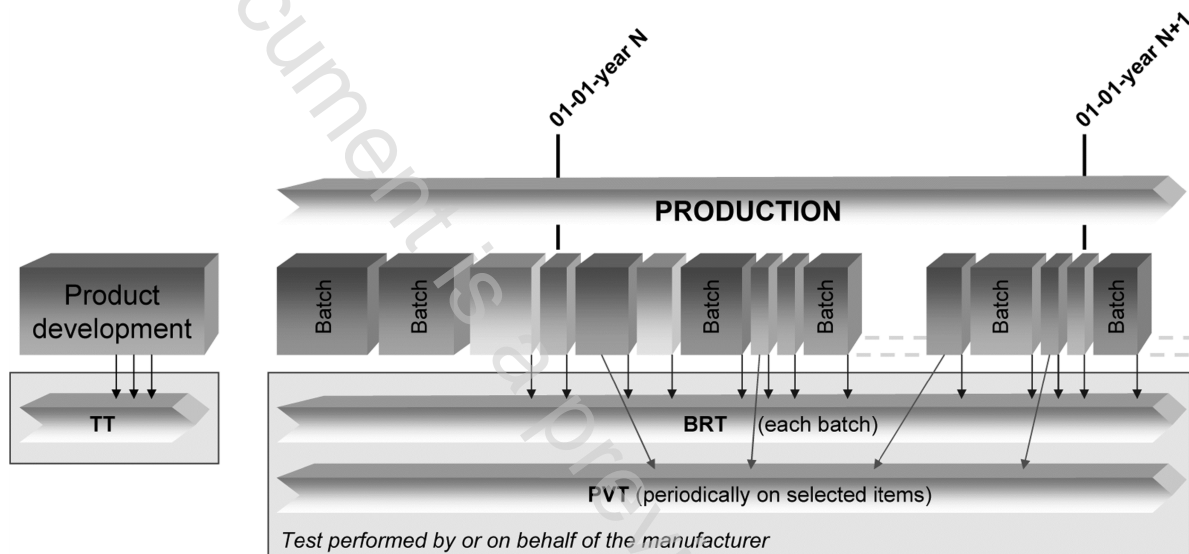


Figure 1 — Typical scheme for the assessment of conformity by a manufacturer, without certification

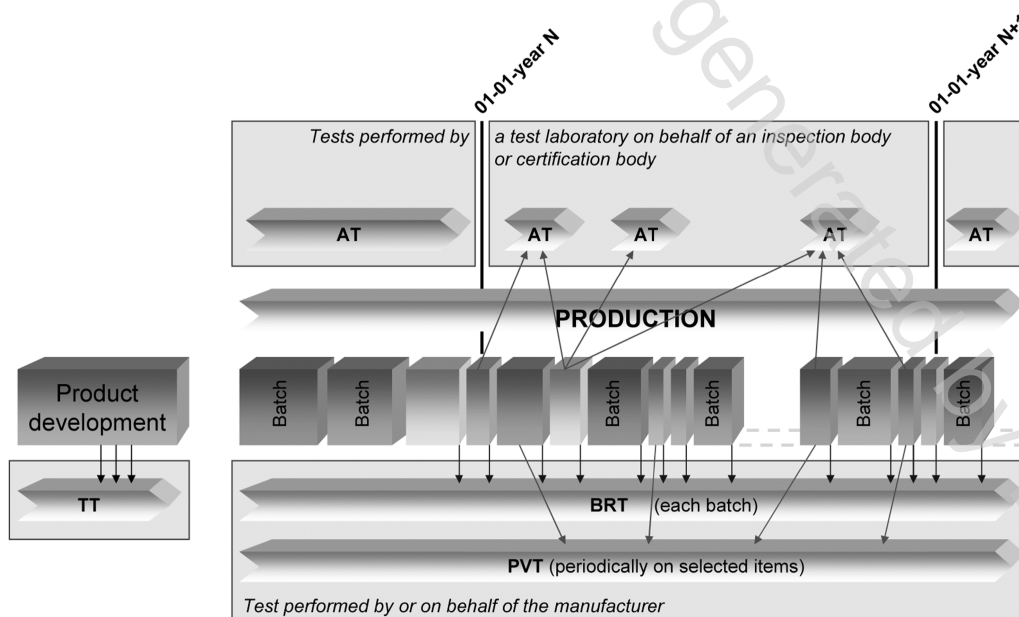


Figure 2 — Typical scheme for the assessment of conformity by a manufacturer, including certification

1 Scope

This document gives guidance for requirements for the assessment of conformity of materials (compounds/formulations), products, joints and assemblies in accordance with the applicable part(s) of EN 13598-1 and EN 13598-2 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 The quality management system is expected to conform to or be no less stringent than the relevant requirements of EN ISO 9001 [1].

NOTE 2 If certification is involved, the certification body is expected to be compliant with EN ISO/IEC 17065 [5].

NOTE 3 A basic test matrix provides an overview of the testing scheme in Annex A.

In conjunction with EN 13598-1 and EN 13598-2 (see Foreword) this document is applicable to ancillary fittings including shallow chambers and manholes and inspection chambers.

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 13598-1:2020, *Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 1: Specifications for ancillary fittings and shallow chambers*

EN 13598-2:2020, *Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 2: Specifications for manholes and inspection chambers*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13598-1 and EN 13598-2 and the following apply.

ISO and IEC maintain terminological 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/>

3.1

certification body

impartial body, governmental or non-governmental, possessing the necessary competence to carry out certification of conformity according to given rules of procedure and management

Note 1 to entry: In this document, certification is understood as third-party certification.

Note 2 to entry: For assessment purposes, the certification body may delegate tasks to an inspection body or a testing laboratory.