



BSI Standards Publication

Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) Part 5: Fitness for purpose of the system

National foreword

This British Standard is the UK implementation of EN 12201-5:2011. It supersedes BS EN 12201-5:2003 and BS EN 13244-5:2002, which are withdrawn.

NOTE 1 There is no Part 6 in the EN 12201 series. Instead users of the BS EN 12201 series should refer to Water Industry Specification (WIS) 4-32-08 Specification for the fusion jointing of polyethylene pressure pipeline systems using PE80 and PE100 materials, obtainable from www.water.org.uk. In addition, guidance provided by the manufacturer of the pipes and fittings should be followed.

NOTE 2 Part 7 of the EN 12201 series has been prepared as a CEN/TS to allow further development. CEN/TS 12201-7 is not mandatory under the Public Procurement Directives (2004/18/EC and 2004/17/EC).

As yet there is no pan-European agreement on water quality requirements, so existing UK regulations remain in force for public drinking water suppliers.

The following regulations apply to the approval of substances and products used in the provision of public water supplies within the United Kingdom:

- a) England – Regulation 31 of The Water Supply (Water Quality) Regulations 2000 (Statutory Instruments 2000 No 3184)
- b) Wales – Regulation 31 of The Water Supply (Water Quality) Regulations 2001 (Welsh Statutory Instrument 2001 No 3911 (W.323))
- c) Scotland – Regulation 27 of The Water Supply (Water Quality) (Scotland) Regulations 2001
- d) Northern Ireland – Regulation 30 of The Water Supply (Water Quality) (Amendment) Regulations (Northern Ireland) 2009 (Statutory Rules of Northern Ireland 2009 No.246).

For further information, go to: <http://www.legislation.gov.uk/browse>

As part of the regulations, all pipes and fittings used to convey drinking water supplies are required to be approved under the provisions of Regulation 31, as applicable. In addition, manufacturers may obtain approval under the Water Regulations Advisory Scheme (WRAS) to confirm that use of their products will not cause adverse effect on water quality or a risk to health of consumers.

National Annex NA provides additional information on the selection and installation of piping systems and components in the UK.

Attention is drawn to the following statutory regulation: Health & Safety at Work etc. Act 1974, and subsequent regulations.

The requirements contained in the EN 12201 series of standards are not necessarily indicative of all the performance requirements, or the suitability of pipework for the service conditions, likely to be encountered in the UK.

The UK participation in its preparation was entrusted by Technical Committee PRI/88, Plastics piping systems, to subcommittee PRI/88/2, Plastics piping for pressure applications.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

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

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Supersedes EN 12201-5:2003, EN 13244-5:2002

English Version

**Plastics piping systems for water supply, and for drainage and
sewerage under pressure - Polyethylene (PE) - Part 5: Fitness
for purpose of the system**

Systèmes de canalisations en plastique pour l'alimentation
en eau et pour branchements et les collecteurs
d'assainissement avec pression - Polyéthylène (PE) -
Partie 5 : Aptitude à l'emploi du système

Kunststoff-Rohrleitungssysteme für die Wasserversorgung
und für Entwässerungs- und Abwasserdruckleitungen -
Polyethylen (PE) - Teil 5: Gebrauchstauglichkeit des
Systems

This European Standard was approved by CEN on 8 July 2011.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 12201-5:2011) 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 March 2012, and conflicting national standards shall be withdrawn at the latest by March 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12201-5:2003, EN 13244-5:2002.

System Standards are based on the results of the work being undertaken in ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids", which is a Technical Committee of the International Organization for Standardization (ISO).

They are supported by separate standards on test methods to which references are made throughout the system Standard.

The System Standards are consistent with general standards on functional requirements and on recommended practice for installation.

EN 12201 consists of the following Parts:

- EN 12201-1, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 1: General*;
- EN 12201-2, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 2: Pipes*;
- EN 12201-3, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 3: Fittings*;
- EN 12201-4, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 4: Valves for water supply systems*;
- EN 12201-5, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 5: Fitness for purpose of the system* (this standard);
- CEN/TS 12201-7, *Plastics piping systems for water supply — Polyethylene (PE) — Part 7: Guidance for the assessment of conformity*.

In this revision, technical changes to this document primarily reflect technical changes made to other parts of EN 12201 and updates of test methods.

According to the CEN/CENELEC Internal Regulations, the national standards organizations 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.