



BSI Standards Publication

Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Unplasticized poly(vinyl chloride) (PVC-U)

Part 1: Specifications for pipes, fittings and the system

National foreword

This British Standard is the UK implementation of EN 1329-1:2020. It supersedes BS EN 1329-1:2014+A1:2018, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/88/1, Plastics piping for non-pressure applications.

A list of organizations represented on this committee can be obtained on request to its committee manager.

The UK committee advises users that this standard is complemented by BS 4514:2001 and that, except for those with nominal size DN/OD 82, products conforming to this standard are generally compatible with products of the same size that are manufactured in accordance with the requirements of BS 4514:2001.

NOTE: Nominal sizes DN/OD 36, 43 and 56 in this standard correspond exactly with the 1¼/32, 1½/40 and 2/50 nominal sizes specified in BS 5255:1989. BS 5255:1989 was withdrawn on 6 June 2019; however, at the time of publication of this standard, the UK committee is aware that there are still products manufactured to the requirements of BS 5255:1989 in the UK, in order to provide continuity with existing pipework.

In the case of nominal size DN/OD 82 as specified in this standard, the minimum mean outside diameter is 82.0 mm. Existing installed piping systems conforming to BS 4514:2001 are based on pipes of nominal size 82 having a minimum mean outside diameter of 82.4 mm. The UK committee advises users not to regard products manufactured to these two sizes as mutually compatible, unless the manufacturer specifically declares otherwise and/or connections between zones of differing pipework are clear and made using appropriate adapters or seals.

The UK committee also gives the following advice and recommendations concerning the specification of piping components that are used with systems that conform to this standard, but which are not detailed in it:

1. BS 4514:2001 specifies requirements for pipes, fittings and other sizes of accessories not covered by this standard, including pipes of 82.4 mm minimum mean outside diameter, the minimum clear opening size dimensions of access fittings, design dimensions of swept fittings, stand-off distances of fittings and clips used to fasten pipes to a wall, and connectors for WC pans.
2. As this standard does not cover threaded components, if a PVC-U fitting is intended to adapt to a threaded metal component then the thread form should conform to either BS EN 10226-1 or BS EN ISO 228-1.
3. Although this standard expands on its specifications for the geometrical characteristic requirements of swept angle bend and branch fittings by cross-referring users to ISO 265-1 (see subclause 7.5), in the UK all such products must also conform to the requirements of national regulations. Further guidance is given in subclause 5.3.7 of BS 4514:2001.
4. As this standard is specific to internal piping system installations and so it does not cover requirements for external installations, which are commonplace and remain allowed in the UK, pipes and fittings intended for outdoor use should conform to the weather resistance requirement specified in subclause 3.2 of BS 4514:2001.