



BSI Standards Publication

Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Acrylonitrile-butadiene-styrene (ABS)

Part 1: Specifications for pipes, fittings and the system

National foreword

This British Standard is the UK implementation of EN 1455-1:2022. It supersedes BS EN 1455-1:2000 which is withdrawn.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.

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.

- a) BS 4514:2001 specifies requirements for pipes, fittings and other sizes of accessories not covered by this standard; 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.
- b) As this standard does not cover threaded components, if an ABS fitting is intended to adapt to a threaded metal component, it is advised that the thread form conform to either BS EN 10226 1 or BS EN ISO 228 1.
- c) 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 also have to conform to the requirements of national regulations. Further guidance is given in subclause 5.3.7 of BS 4514:2001.
- d) As this standard is specific to internal piping system installations – and so does not cover requirements for external installations, which are commonplace and remain allowed in the UK – pipes and fittings intended for outdoor use might require protection by painting or some other means. Further guidance is available from the pipe manufacturer.

Finally, the UK Committee gives the following advice regarding the selection and installation of piping components and systems conforming to this standard.

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