

Plastics piping systems — Systems for hot and cold water not intended for human consumption — Performance characteristics for pipes, fittings and their joints

ICS 23.040.01

National foreword

This British Standard is the UK implementation of EN 15015:2007.

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

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

This British Standard is intended as a means of demonstrating compliance with the Construction Products Directive (89/106/EEC) and affixing the CE mark.

The Essential Requirements contained in this British Standard are concepts related to the Construction Products Directive and they are not necessarily indicative of all the performance requirements or suitability for the service conditions likely to be encountered in a particular pipework application.

The CE mark indicates only that a product may legally be placed on the market in the EU. It does not indicate or guarantee inherent quality of the CE marked pipework components.

It should be noted that manufacturers are entitled to declare “No Performance Determined” against some or all of these Essential Requirements and yet still affix the CE mark to their products. Users are advised to check the background details with the manufacturer’s claims for the CE marked products. Such details may be available on an appropriate Internet website or accompanying Company documentation.

Compliance with this British Standard does not necessarily mean that products bearing the CE mark are fit for non potable hot water pipes.

In addition to the above;

- i) The normal maximum operating cold water supply pressure in the UK is 12.5 bar which some categories of pipe in the standards listed in Annex B (excluding BS 7291-1) do not meet.
- ii) This standard does not specifically describe push fit joints which are the predominant jointing method in the UK.
- iii) There is a disparity between the malfunction temperature (100 °C) quoted in the Tables of Service conditions of the standards listed in Annex B (excluding BS 7291-1) and the malfunction temperatures applicable to boilers (110 °C) conforming to BS EN 297:1994, BS EN 483:2000 and BS EN 625:1996. Consequently pipe systems not conforming to BS 7291-1 could be subjected to temperatures in service for which they have not been tested.
- iv) The unique and traditional practice in the UK is to use products certified to BS 7291 Class S for all applications, as defined in BS 7291-1. This is recognized in the National Annex to BS EN 12828 which requires the use of systems suitable for the maximum temperatures and pressures for their intended application specified in BS 7291-1.

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Date	Comments