

Plastic piping systems for non-pressure underground drainage and sewerage — Unplasticized poly(vinyl chloride) (PVC-U)

Part 1: Specifications for pipes, fittings and the system

ICS 23.040.20; 93.030

National foreword

This British Standard is the UK implementation of EN 1401-1:2009. It supersedes BS EN 1401-1:1998 which is withdrawn.

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

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

The responsible UK technical committee offers the following information in respect of the contents of this standard.

1. Selection and application of stiffness classes

BS EN 1401-1:2009 specifies three classes of pipes and fittings of differing stiffness, designated SN 2, SN 4 and SN 8 (see Table 4 and Table 6).

From the viewpoint of installation, the SN 8 or SN 4 classes have to be used if the system is to be installed in accordance with BS EN 1610 or BS 5955-6, in order to achieve the intended resistance to long-term deformation.

If it is intended to use the other, less stiff (SN 2), class of pipe or fitting, the installation should first be subject to a structural design soil load calculation and the installation technique modified to suit the results of that calculation. The appropriate calculation method is given in the National Annex for BS EN 1295-1. The E modulus for the material should be taken as 3,000 MPa and 1,500 MPa for the short-term and long-term values respectively.

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Amendments/corrigenda issued since publication

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