



BSI Standards Publication

Plastics piping systems for non-pressure underground conveyance and storage of non-potable water — Test method for determination of long-term compression strength of boxes

National foreword

This British Standard is the UK implementation of EN 17151:2019.

The UK participation in its preparation was entrusted to Technical Committee PRI/88/5, Underground infiltration, attenuation and storage systems.

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

It is the committee's opinion that Note a of Table 1 does not satisfy the requirements of Annex B. To satisfy the requirement of the two decade rule as stated in Annex B, B.1, Point 5, it is necessary to have at least one failed test at over 4 380 hours to be able to extrapolate to 50 years. The committee recommends that the requirements of B.1 be followed.

In addition, it is the committee's opinion that there is a logic error in Note a of Table 1 in that it should specify that the applied load be higher (not lower as stated) than that predicted by the extrapolation of the other data.

The committee recognizes that there is a risk that targeting a test for exactly 4 380 hours' duration might result in the test failing early and not complying with the requirements of the standard. The committee suggests that a strategy of targeting the TDP2 tests as specified in Table 1 to achieve a duration at failure of 4 380 hours, by using slightly different applied loads, improves the probability of achieving the required test durations of more than and less than 4 380 hours. All long-term test results generated can be used to satisfy TDP2 if they rupture.

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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Amendments/corrigenda issued since publication

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