

Testing hardened concrete —

Part 9: Freeze-thaw resistance — Scaling

ICS 91.100.30

National foreword

This Draft for Development was published by BSI. It is the UK implementation of CEN/TS 12390-9:2006.

This publication is not to be regarded as a British Standard.

It is being issued in the Draft for Development series of publications and is of a provisional nature. It should be applied on this provisional basis, so that information and experience of its practical application can be obtained.

Comments arising from the use of this Draft for Development are requested so that UK experience can be reported to the European organization responsible for its conversion to a European standard. A review of this publication will be initiated not later than 3 years after its publication by the European organization so that a decision can be taken on its status. Notification of the start of the review period will be made in an announcement in the appropriate issue of *Update Standards*.

According to the replies received by the end of the review period, the responsible BSI Committee will decide whether to support the conversion into a European Standard, to extend the life of the Technical Specification or to withdraw it. Comments should be sent to the Secretary of the responsible BSI Technical Committee at British Standards House, 389 Chiswick High Road, London W4 4AL.

The UK participation in its preparation was entrusted by Technical Committee B/517, Concrete, to Subcommittee B/517/1, Concrete production and testing.

A list of organizations represented on B/517/1 can be obtained on request to its secretary.

The BSI committee responsible for the voting decision have concerns over the application of the test in practice. Whilst there are no values of performance given in this Technical Specification, the originators of the tests have values they apply in practice and these are known to others. It is accepted that a concrete satisfying these values will be likely to perform very well in extreme freeze/thaw conditions. However, in the United Kingdom there are many concretes that perform adequately in the prevailing environmental conditions, but if tested against these criteria would fail by a substantial margin. During the preparation of the standard the United Kingdom considered the possibility of using a reference concrete of known, satisfactory performance alongside that under test or, the use of different test conditions or acceptance criteria. However, once weight losses approach the values obtained from concrete with a long satisfactory performance record the results are not reliable. In the opinion of the UK, modifications to the test method are required.

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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