

BS EN 12812:2008



BSI Standards Publication

Falsework — Performance requirements and general design

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National foreword

This British Standard is the UK implementation of EN 12812:2008. It supersedes BS EN 12812:2004 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/514, Access and support equipment.

The design methodology within BS EN 12812:2008 is significantly different from that in BS 5975. Technical Committee B/514 advises that caution should be taken when applying BS EN 12812:2008.

BS EN 12812:2008 specifies performance requirements for the design of falsework in accordance with one of three classes: A, B1 and B2. Limit state design methods are specified for design Classes B1 and B2. It does not provide guidance for the structural design of Class A.

BS 5975, which exists in parallel with this standard and provides recommendations on the design of falsework, without definition of classes or physical parameters and using permissible stress methods, is recommended by Technical Committee B/514 as a suitable method for the structural design of Class A falsework, as defined in BS EN 12812:2008.

The 'Bragg Report', published in 1975 by the Advisory Committee on Falsework, first introduced a minimum lateral stability force. This force was subsequently incorporated, as a minimum horizontal disturbing force of 2.5 % of the applied vertical load in BS 5975, assuming first-order analysis. Technical Committee B/514 advises that the application of this force has made a significant contribution to the safe use of falsework in the UK since its introduction. Technical Committee B/514 also advises that BS EN 12812:2008 does not recommend a minimum horizontal force.

BS EN 12812:2008 does not provide guidance on procedures necessary for the successful management of work on site. The recommendations of the 'Bragg Report' in respect of the falsework coordinator have not been included in it.

BS 5975 includes procedural controls for all temporary works, including falsework, for the design, independent checking of the design, and for the successful management of work on site, including the appointment of a temporary works coordinator. Technical Committee B/514 reaffirms the importance of these controls.

This standard contains a National Annex NA that provides informative guidance on its application. It should be noted that there are a number of textual and numerical differences between the 2004 and 2008 editions; only those that are considered to be material are commented on in the National Annex NA. It is therefore not a comprehensive listing of all of the differences. Further, the UK committee advises that the symbols used in this standard should be read with caution.

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

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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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments issued since publication

Date	Text affected
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