



BSI Standards Publication

Fences

Part 18: Specification for free-standing temporary steel mesh perimeter fencing panels

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Published by BSI Standards Limited 2020

ISBN 978 0 59 12226 8

ICS 1.09

The following BSI references relate to the work on this document:

Committee reference B/201

Draft for comment 20/30406768 DC

Amendments/corrigenda issued since publication

Date	Text affected
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Summary of pages

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Foreword

Publishing information

This part of BS 1722 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 December 2020. It was prepared by Technical Committee B/201, *Fences and gates*. A list of organizations represented on this committee can be obtained on request to the committee manager.

Supersession

This part of BS 1722 supersedes [BS 1722-18:2011](#), which is withdrawn.

Relationship with other publications

BS 1722, *Fences*, is published in parts as follows:

- *Part 1: Specification for chain link fences;*
- *Part 2: Specification for strained wire and wire mesh netting fences;*
- *Part 4: Specification for cleft chestnut pale fences;*
- *Part 5: Specification for close-boarded and wooden palisade fences;*
- *Part 7: Specification for wooden post and rail fences;*
- *Part 8: Specification for mild steel (low carbon steel) continuous bar fences and hurdles;*
- *Part 9: Specification for mild steel (low carbon steel) fences with round or square verticals and flat horizontals;*
- *Part 10: Specification for anti-intruder fences in chain link and welded mesh;*
- *Part 11: Specification for prefabricated wood panel fences;*
- *Part 12: Steel palisade fences – Manufacturing and installation – Specification*
- *Part 14: Specification for copper mesh steel panel fences;*
- *Part 16: Specification for powder coatings used as a plastics finish to components and mesh;*
- *Part 17: Specification for electric security fences – Design, installation and maintenance; and*
- *Part 18: Specification for free-standing temporary steel mesh perimeter fencing panels.*

Information about this document

This part of BS 1722 has been developed in response to concerns amongst industry stakeholders whose suggestions for further improvement of the product have been solicited and incorporated into this document.¹⁾

This is a full revision of this part of BS 1722, and introduces the following principal changes:

- a general update of the standard to meet with current requirements and practices;
- a modification of test requirements to meet with current market specifications; and
- installation guidance on the process of selecting a temporary fence design, recommendations for calculations that should be taken into account when assessing site specific needs for stabilization, and examples of typical support structures.

¹⁾ Marking BS 1722-18:2020 on or in relation to a product represents a manufacturer's declaration of conformity, i.e. a claim by or on behalf of the manufacturer that the product meets the requirements of the standard. The accuracy of the claim is solely the claimant's responsibility. Such a declaration is not to be confused with third-party certification of conformity.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Presentational conventions

The provisions of this document are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. “organization” rather than “organisation”).

Requirements in this standard are drafted in accordance with the *Rules for the structure and drafting of UK standards:2017*, subclause **G.1.1**, which states, “Requirements should be expressed using wording such as: ‘When tested as described in [Annex A](#), the product shall ...’”. This means that only those products that are capable of passing the specified test will be deemed to conform to this standard.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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

1 Scope

This part of BS 1722 specifies performance requirements for steel mesh site perimeter temporary fencing panels. It includes test methods for the verification that these requirements have been met.

NOTE Examples of typical constructions that would meet these requirements have been included, where appropriate.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

4 Fence panel

4.1 Frame

When tested in accordance with [Annex A](#), the frame, including any joints, shall withstand a force of 7 kN.

NOTE 7 kN is representative of the force that a fence frame joint is subjected to in normal use conditions. Fence frames that resist such a force should provide a robust and durable structure.

4.2 Mesh

4.2.1 Wire protrusion

The mesh used in a fence panel shall be attached to the frame in such a way that it minimizes hazards due to protruding wires.

The vertical wires in the mesh panel shall not have any protrusions above the top and bottom horizontal wires greater than 3 mm.

When attached to the support structure, horizontal wires shall not protrude more than 3 mm beyond the attachment to the support structure.

Where the panel has rounded corners, wires shall not protrude more than 10 mm beyond the centre of the attachment to the support structure.

NOTE See [Figure 1](#).