



BSI Standards Publication

## Fences

Part 11: Specification for prefabricated wood panel fences

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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 30 November 2006. 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 its secretary.

## Supersession

BS 1722-11:2006+A1:2018 supersedes BS 1722-11:2006, which is withdrawn.

BS 1722-11:2006 superseded BS 1722-11:2000, which has been withdrawn.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 fences and wooden post and rail 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 fence – Manufacturing and installation – Specification;
- Part 14: Specification for open mesh steel panel;
- 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;
- Part 18: Specification for free-standing temporary steel mesh perimeter fencing panels.

## Information about this document

Text introduced or altered by Amendment No. 1 is indicated in the text by tags  $\square_{A1}$   $\square_{A1}$ . Minor editorial changes are not tagged.

It should be noted that no attempt has been made to standardize fences or gates of a purely decorative nature, or those to suit special requirements; nor to specify requirements for “patent” proprietary fencing systems. However, the structure of such fences or gates should be in accordance with the applicable clauses of this part of BS 1722.

This standard aims to establish minimum requirements for materials and workmanship of the more common types of fence in order to ensure satisfactory service for the purchaser, and to assist manufacturers and installing contractors by eliminating unnecessary minor variations.

Choosing a suitable fence is affected by factors such as the intended purpose, desired service life, aesthetic considerations and availability of components. The specifier can match a suitable

choice of fence to its intended purpose and also inform those installing the fence of the basic characteristics required.

Premature failure of the fence can be avoided by taking care not to damage protective treatments during installation.

Ground conditions might indicate that a variation in the length of a post, or the depth to which it should be set, is desirable. The post setting depths specified in this standard are intended for use in normal ground conditions, but if special conditions exist that warrant a change in the specification, e.g. the ground is softer or firmer than usual, such a change should be agreed with the specifier.

It is generally assumed in this standard that the fence is installed on horizontal. Where it is installed on a gradient special measures may be required.

[Annex A](#) provides details of the fence requirements and installation site that should be agreed between the fence supplier and purchaser. However, as conditions vary from site to site, [Annex A](#) should not be assumed to be exhaustive.

### Use of this document

It has been assumed in the drafting of this part of BS 1722 that the execution of its provision is entrusted to appropriately qualified and experienced people. Before installation commences the Lead Installer should hold a current FISS/CSCS registration card skill level 1 (blue card) or equivalent and all other operatives should hold the basic fence operative card (green card) or equivalent.

At the time of publication of this British Standard the registration cards are validated by the Joint Fencing Industry Skills Scheme (FISS) and Construction Scheme Skills Certification Scheme (CSCS). FISS/CSCS maintains a national register of fence installers and operatives. There might be other schemes available.

### Presentational conventions

The provisions of this standard 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 other general informative material is presented in smaller italic type, and does not constitute a normative requirement.*

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 *Rules for the structure and drafting of UK standards*, since **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 requirements for the materials, design, construction and installation of prefabricated wood panel fences constructed from softwood panels fixed between timber or concrete posts. This standard does not cover fences of a height greater than 2 m above ground level.

This standard includes requirements for protective treatments. However, maintenance requirements of the fence after installation are outside the scope of this standard.

It specifies requirements for the components that make up a fence and the way in which the fence should be constructed. The standard includes requirements for component dimensions, together with the permissible tolerances on size. These are minimum requirements and it will normally be acceptable to use larger sizes, except if this could adversely affect the fitting of components or if replacement parts are required to match with those already present.

*NOTE 1 Prefabricated wood panel fences are suitable for housing, for dividing boundaries and for visual screens. They are not suitable for fencing which is exposed to animal or personnel loading. They are also not suitable for some very exposed areas such as headlands and high hills liable to abnormally high winds.*

*NOTE 2 Annex A lists items that should be agreed between the fence supplier and the purchaser.*

## 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of this British Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. For undated references, the latest edition of the publication referred to applies.

BS 1202-1, *Specification for nails — Part 1: Steel nails*

BS 1722-5:2006+A1, *Fences — Part 5: Specification for close boarded fences and wooded palisade fences*

**A1** Text deleted **A1**

BS 4449, *Steel for the reinforcement of concrete — Weldable reinforcing steel — Bar, coil and decoiled product — Specification*

BS 4482, *Steel wire for the reinforcement of concrete products — Specification*

BS 4483, *Steel fabric for the reinforcement of concrete — Specification*

BS 8417:2011+A1:2014, *Preservation of wood — Code of practice*

BS EN 197-1, *Cement — Part 1: Composition, specifications and conformity criteria for common cements*

**A1** Text deleted

BS EN 206:2013+A1:2016, *Concrete — Specification, performance, production and conformity*

BS EN 450-1, *Fly ash for concrete — Part 1: Definition, specifications and conformity criteria* **A1**

BS EN 480 (all parts), *Admixtures for concrete, mortar and grout — Test methods*

BS EN 844-9, *Round and sawn timber — Terminology — Part 9: Terms relating to features of sawn timber*

BS EN 934 (all parts), *Admixtures for concrete, mortar and grout*

BS EN 12620, *Aggregates for concrete*

BS EN 12839:2001, *Precast concrete products — Elements for fences*