

Fences —

Part 16: Specification for organic powder coatings to be used as a plastics finish to components and mesh

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee B/201, Fences, to Subcommittee B/201/3, Farm and General Purpose Fences and Gates, upon which the following bodies were represented:

- British Gas plc
- British Precast Concrete Federation Ltd.
- British Steel Industry
- British Timber Merchants' Association
- British Wire Netting Association
- Cold Rolled Sections Association
- Consumer Policy Committee of BSI
- County Surveyors' Society
- Department of the Environment (Property Holdings)
- Department of Transport
- Fencing Contractors' Association
- Fencing Industry Association
- Forestry Commission
- Ministry of Agriculture, Fisheries and Food
- National Council of Building Materials Producers
- National Farmers' Union
- Royal Institution of Chartered Surveyors
- Scottish Office (Agriculture and Fisheries Department)
- Society of Chain Link Fencing Manufacturers
- Timber Trade Federation
- Wire Products Association

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Foreword

This Part of BS 1722 has been prepared under the direction of Technical Committee B/201 “Fences”. It is a new standard that takes into account growing current practice that requires a plastics finish to fencing components.

BS 1722 is published in separate Parts as follows:

- *Part 1: Specification for chain link fences;*
- *Part 2: Specification for rectangular wire mesh and hexagonal wire netting fences;*
- *Part 3: Specification for strained wire fences;*
- *Part 4: Specification for cleft chestnut pale fences;*
- *Part 5: Specification for close boarded fences;*
- *Part 6: Specification for wooden palisade fences;*
- *Part 7: Specification for wooden post and rail fences;*
- *Part 8: Specification for mild steel (low carbon steel) continuous bar fences;*
- *Part 9: Specification for mild steel (low carbon steel) fences with round or square verticals and flat posts and horizontals;*
- *Part 10: Specification for anti-intruder fences in chain link and welded mesh;*
- *Part 11: Specification for woven wood and lap boarded panel fences;*
- *Part 12: Specification for steel palisade fences;*
- *Part 13: Specification for chain link fences for tennis court surrounds;*
- *Part 14: Specification for open mesh steel panel fences.*

Parts 1 to 14 specify requirements for the types of fence that are considered suitable for standardization.

The purpose of this Part of BS 1722 is to establish performance requirements for plastics finishes. It deals with organic powder coatings but other types of coatings which meet these requirements are likely to be satisfactory.

This standard has been divided into sections to enable claims for compliance to be made by both the manufacturer and the applicator. Section 2 gives requirements for performance under tests carried out for or on behalf of the (powder) manufacturer and the term “powder” is used consistently. Section 3 gives requirements for performance under tests carried out for or on behalf of the (coating) applicator and the term “coating” is used consistently. The frequency of sampling by the applicator is not specified but a certificate that the coating meets the specified requirements is called for. Appendix A and Appendix B give the test methods relative to sections 2 and 3 and Appendix C gives guidance on the care and protection of plastics finishes.

Fencing components may be made of low carbon steel, hot dip galvanized low carbon steel, metal sprayed low carbon steel, pregalvanized low carbon steel and meshes formed by welding wires or bright or galvanized expanding sheet. All tests are intended to be carried out on material representative of that used in the finished fence.

Experience has shown that preparation and pretreatment of the metal surface are vital to the production of satisfactory finishes. It is therefore necessary to ensure the following.

- a) The component is designed and produced to be compatible with the coating process, especially where the component is to be hot dip galvanized after manufacture, as any dressing after the galvanizing process can reduce the effective corrosion resistance.
- b) The applicator rigidly adheres to the manufacturer’s recommendations.
- c) The coating process selected is compatible with the substrate.

It has been assumed in the drafting of this British Standard that the test methods will be applied by those who are appropriately qualified and experienced.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.