

Specification for primers for woodwork

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The preparation of this British Standard was entrusted to Technical Committee STI/28, Paint systems for non-metallic substrates, upon which the following bodies were represented:

- British Cement Association
- British Coatings Federation Ltd
- British Decorators Association
- Department for Education
- Department of the Environment, Transport and the Regions
- European Resin Manufacturer's Association
- Furniture Industry Research Association
- Ministry of Defence
- Oil & Colour Chemists Association
- Society of Chemical Industry
- Timber Research and Development Association
- Union of Construction, Allied Trades & Technicians

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Foreword

This British Standard has been prepared by Technical Committee STI/28.

This standard is designed to amalgamate BS 5082, BS 5358 and BS 7779, which are withdrawn.

This standard avoids the use of the lead-based reference primer specified in BS 5082 and BS 5358. It also includes a test for stain resistance to demonstrate the sealing properties of some primers, such as those primers that comply with BS 4756.

WARNING This British Standard calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

Product certification. Users of this British Standard are advised to consider the desirability of third party certification or product conformity with this British Standard, based on testing and continuing product surveillance. This may be coupled with the assessment of a supplier's quality systems against the appropriate standard in the BS EN ISO 9000 series.

Enquiries on the availability of third party certification schemes are forwarded by BSI to the Association of British Certification Bodies. If a third party certification scheme does not already exist, users should consider approaching a body from the list of Association Members.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 15 and a back cover.

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1 Scope

This standard specifies requirements for all primers used for softwood joinery as defined in BS EN 927-1. They are suitable, when overcoated with paint (all types) or stain finishing coats (type B only, see clause 4), for interior or exterior use.

NOTE Primers conforming to the requirements of this standard may be suitable for use on hardwoods, but the user is advised to consult the manufacturer in each individual circumstance.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions 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 245:1992, *Specification for mineral solvents (white spirit and related hydrocarbon solvents) for paints and other purposes.*

BS 2015, *Glossary of paint and related terms.*

BS 3900-B18, *Methods of test for paints — Part B18: Determination of non-volatile matter of paints, varnishes and binders for paints and varnishes.*

BS 3900-D8, *Methods of test for paints — Part D8: Determination of colour and colour difference: principles.*

BS 3900-D9, *Methods of test for paints — Part D9: Determination of colour and colour difference: measurement.*

BS 3900-D10, *Methods of test for paints — Part D10: Determination of colour and colour difference: calculation.*

BS 3900-F6, *Methods of test for paints — Part F6: Notes for guidance on the conduct of natural weathering tests.*

BS 3900-G6, *Methods of test for paints — Part G6: Assessment of resistance to fungal growth.*

BS 3900-H2, *Methods of test for paints — Part H2: Designation of degree of blistering.*

BS 3900-H4, *Methods of test for paints — Part H4: Designation of degree of cracking.*

BS 3900-H5, *Methods of test for paints — Part H5: Designation of degree of flaking.*

BS 5235, *Specification for dial-type expansion thermometers.*

BS 7664, *Specification for undercoat and finishing paints.*

BS EN 927-1, *Paints and varnishes — Coating materials and coating systems for exterior wood — Part 1: Classification and selection.*

BS EN 971-1, *Paints and varnishes — Terms and definitions for coating materials — Part 1: General terms.*

BS EN 21512, *Methods of test for paints — Sampling.*

BS EN ISO 2409, *Paints and varnishes — Cross-cut test.*

ASTM G53:1988, *Standard practice for operating light and water exposure apparatus (fluorescent UV condensation type) for exposure of non-metallic materials.*

3 Definitions

For the purposes of this British Standard, the definitions given in BS 2015 and BS EN 971-1 apply.

4 Classification

The primers specified in this standard shall be classified as follows.

Type A

Primers for general use under paints. These are not normally expected to prevent staining from knots or resinous timber without prior application of a sealer designed to block resin exudations and extractives.

Type B

Dual-purpose primers for overcoating with stain finishes or paints. These are not normally expected to prevent staining from knots or resinous timber without prior application of a sealer designed to block resin exudations and extractives.

Type C

Primers which can be used directly over knots, resinous timbers and timbers pretreated with preservatives, such as metallic naphthenates, known to discolour subsequently applied paint films.

5 Sampling

For the purposes of the tests specified, a representative sample of the primer measuring not less than 500 ml shall be taken and packed according to the method described in BS EN 21512. A container of glass or other non-corrodible material shall be used.