

Specification for

Solvent-borne priming paints for woodwork

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, 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.

Amendments issued since publication

Amd. No.	Date	Comments

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1 Scope

This British Standard specifies two types of solvent-borne priming paints for application on softwood for both interior and exterior use (see warning note in foreword).

NOTE 1 Paints complying with the requirements of this specification may be suitable for use on some non-resinous hardwoods, but the user is advised to consult the paint manufacturer in each individual circumstance.

NOTE 2 The titles of the publications referred to in this standard are listed on the inside back cover.

2 Definitions

For the purposes of this British Standard, the definitions given in BS 2015 and BS 6100-4 apply.

3 Classification

The priming paints specified in this standard shall be classified as follows.

- a) *Type A*. A general purpose primer for application by brush and suitable for use on untreated wood or on wood pretreated with a preservative.

NOTE Optimum exterior performance of the primer will be normally obtained if applied to wood pretreated with a preservative recommended in BS 5589.

- b) *Type B*. An industrial primer for factory application by spraying, dipping or other mechanical process and which for exterior use will normally be applied to wood treated with one of the preservatives recommended in BS 5589.

4 Sample

For the purposes of the tests referred to in clauses 5 to 15, a representative sample of the paint, measuring not less than 500 mL, shall be taken and packed by the method described in BS 3900-A1.

5 Composition

5.1 General

The primer shall be based on a pigmented non-aqueous solution or a dispersion of polymeric material. Neither the polymer nor the primer based on it shall contain any added plasticizer.

5.2 Volatile content (type A products only)

The volatile content of the primer shall not exceed the limiting values specified in either a) or b) as follows:

- a) not more than 50 % (*m/m*), when tested in accordance with BS 3900-B2 at a temperature of 105 ± 2 °C;
- b) not more than 65 % (*V/V*), when tested in accordance with BS 3900-A10.

NOTE Either a) or b) may be specified. Both tests have been given to allow freedom in formulation. It is sufficient to meet either of the alternatives but not necessarily both.

5.3 Lead content

The primer, when tested in accordance with BS 3900-B4, shall contain less than 0.5 % (*m/m*) total lead of the total mass of the primer as supplied.

NOTE Current classification and labelling regulations require that paints containing more than 0.15 % total lead should be labelled "contains lead — should not be used on surfaces liable to be chewed or sucked by children".

6 Flashpoint for type A products only

The primer, when tested in accordance with BS 3900-A8 or BS 3900-A13, shall have a flashpoint higher than 32 °C.

7 Condition in container and consistency

7.1 Initial condition

When the primer in its original container is examined by the method described in BS 3900-A2, it shall not show hard settling, excessive separation, skinning, irreversible gelation, mould growth or putrefaction.

Type A products shall be ready for use without thinning.

Type B products shall be supplied ready for use or in a form requiring thinning in accordance with the manufacturer's recommendations.

7.2 Keeping properties

The primer, when stored in its original sealed container at between 4 °C and 25 °C for 12 months from the date of manufacture, shall comply with the requirements of 7.1, clauses 8, 9, 10.1 and 15.

NOTE If storage conditions are abnormal, the manufacturer of the primer should be informed so that any special recommendations may be made.

8 Application properties

8.1 Type A products

When the primer is applied in accordance with BS 3900-A5 to a plywood panel with moulding and examined not less than 16 h after application, using normal or corrected vision, the film shall be free from sagging, wrinkling or sheariness (see BS 2015).

8.2 Type B products

When the primer is applied, by the method specified by the manufacturer, to a panel as described in A.2 and examined not less than 16 h after application, using normal or corrected vision, the film shall be free from sagging, wrinkling or sheariness (see BS 2015).