

SPECIFICATION FOR
LINSEED OIL PUTTY
FOR USE IN WOODEN FRAMES

BS 544 : 1969

THIS BRITISH STANDARD, having been approved by the Building Divisional Council, was published under the authority of the Executive Board on 28th February, 1969.

First published April, 1934.

First revision February, 1939.

Second revision February, 1969.

SBN: 580 04359 2

The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

This standard makes reference to the following British Standards:

BS 242, 243, 259. Linseed oil for paints.

BS 245. White spirit.

BS 410. Test sieves.

BS 572. Interchangeable conical ground glass joints.

BS 1795. Extenders for paints.

BS 2021. Separating and dropping funnels.

BS 2521. Lead-based priming paints.

BS 2525. Ready mixed oil-based undercoating and finishing paints (exterior quality).

BS 3406. Methods for the determination of particle size of powders.

Part 2. Liquid sedimentation methods.

BS 3483. Methods for testing pigments for paints.

BS 3591. Industrial methylated spirits.

BS 3787. Glass condensers with standard joints.

BS 3900. Methods of test for paints.

Part B1. Determination of water by the Dean and Stark method.

Part C2. Surface-drying time.

BS *. Method of test for whiting.

CP 152. Glazing and fixing of glass for buildings.

* In course of preparation.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following BSI references relate to the work on this standard:
Committee reference B/103 Draft for comment 67/9387

Amendment No. 1
published and effective from 31 October 1983
to BS 544 : 1969

Linseed oil putty for use in wooden frames

NOTE. A further amendment to this standard containing changes to the technical content and references of clause 4 and appendix B will be published in due course. See 83/13096 DC.

Revised text

Page 2. Delete the existing list of reference standards and the associated footnote and substitute the following.

- ‘BS 242, 243, 259. Linseed oil for paints.
BS 245. Specification for mineral solvents (white spirit and related hydrocarbon solvents) for paints and other purposes.
BS 410. Specification for test sieves.
BS 572. Interchangeable conical ground glass joints.
BS 1795. Extenders for paints.
BS 2021. Specification for separating and dropping funnels for laboratory use.
BS 3406. Methods for the determination of particle size of powders.
Part 2. Liquid sedimentation methods.
BS 3483. Methods for testing pigments for paints.
BS 3591. Industrial methylated spirits.
BS 3900. Methods of test for paints.
Part B1. Determination of water by the Dean and Stark method.
Part C2. Surface-drying test (ballotini method).
BS 5358. Specification for low-lead solvent-thinned priming paint for woodwork.
BS 5922. Specification for glass condensers for laboratory use.
BS 6262. Code of practice for glazing for buildings.’

Foreword. In paragraph 2, in lines 1 and 2, delete ‘separate specification for metal casement putty.’ and substitute ‘new British Standard covering all types of glazing compound.’

Clause 1. Scope. In line 2, delete ‘CP 152*’ and substitute ‘BS 6262*’. Delete the associated footnote marked ‘*’ and substitute the following.

‘* BS 6262, ‘Code of practice for glazing for buildings’.’

Clause 5. Paintability. In item (1), in line 2, delete ‘undercoating to BS 2525‡’ and substitute ‘priming paint complying with BS 5358‡’. Delete the associated footnote marked ‘‡’ and substitute the following.

‘‡ BS 5358, ‘Specification for low-lead solvent-thinned priming paint for woodwork’.’

In item (2), in line 1, delete ‘undercoating’ and substitute ‘priming paint’.

Clause 7. Consistency. Delete the second sentence.

Insert the following at the end of the existing note.

‘A method of determining consistency is given in Appendix E.’

Clause 8. Skins and coarse particles. In line 3, delete ‘420 µm’ and substitute ‘425 µm’.

Delete the footnote associated with this clause and substitute the following.

‘* BS 410, ‘Specification for test sieves’.’

Clause 9. Keeping qualities and storage stability. Delete the last sentence.

Clause 10. Marking. In line 3, delete ‘12.7 kg (28 lb)’ and substitute ‘25 kg’.

Appendix B. Specification for whiting. In item (1), in lines 4, 5 and 6, delete ‘BS 410’ and substitute ‘BS 410 : Part 1 : 1962’.

Delete the existing text and titles of items (2) and (5) and substitute ‘*Text deleted*’.

Delete the footnote associated with this appendix marked ‘‡’.

Clause C.1 Apparatus. In item 4, in line 1, delete ‘BS 3787†’ and substitute ‘BS 5922†’. Delete the associated footnote marked ‘†’ and substitute the following.

‘† BS 5922, ‘Specification for glass condensers for laboratory use’.’

Delete the footnote marked ‘‡’ and substitute the following.

‘‡ BS 2021, ‘Specification for separating and dropping funnels for laboratory use’.’

Clause C.2 Reagents. In item (1), in the last line, delete ‘filtered’ and substitute ‘clarified’.

In the footnote marked ‘§’, delete ‘Methylated Spirits Regulations, 1952 (S.I. 1952, No. 2230).’ and substitute ‘Methylated Spirits Regulations, 1983 (S.I. 1983/252).’

Clause D.2 Procedure. In paragraph 1, in line 1, delete ‘primer complying with BS 2521*’ and substitute ‘white priming paint complying with BS 5358*’.

In paragraph 2, in line 3, delete ‘undercoating to BS 2525†’ and substitute ‘priming paint complying with BS 5358*’.

In paragraph 3, in line 1, delete ‘undercoating’ and substitute ‘priming paint’.

In paragraph 3, in line 2, delete ‘BS 3900 : Part C2‡’ and substitute ‘BS 3900 : Part C2†’.

Delete the footnotes associated with this clause and substitute the following.

* BS 5358, ‘Specification for low-lead solvent-thinned priming paint for woodwork’.

† BS 3900, ‘Methods of test for paints’, Part C2, ‘Surface-drying test (ballotini method)’.

Clause E.2 Apparatus. In item (1), in line 2, delete ‘at one end in 38 mm’ and substitute ‘at one end in a 38 mm’.

Clause F.1 Apparatus. In item (1), delete ‘420 µm’ and substitute ‘425 µm’.

Delete the footnote associated with this clause and substitute the following.

* BS 410, ‘Specification for test sieves’.

Clause F.2 Reagent. Delete the footnote associated with this clause and substitute the following.

† BS 245, ‘Specification for mineral solvents (white spirit and related hydrocarbon solvents) for paints and other purposes’.

Clause F.3 Procedure. In lines 2 and 3, delete ‘420 µm’ and substitute ‘425 µm’.

In line 7, delete ‘20 µm’ and substitute ‘425 µm’.

Amendment No. 2
published and effective from 29 March 1985
to BS 544 : 1969

Linseed oil putty for use on wooden frames

Revised text

Page 2 (as amended by Amendment No. 1). In the list of reference standards delete 'BS 242, 243, 259 Linseed oil for paints' and substitute 'BS 242, 243, 259, 632 Specifications for linseed oil'.

Delete the references to BS 3406 : Part 2 and BS 3483.

After the reference to BS 6262 insert 'PAS 32 Specification for a paint system comprising an undercoat and gloss finish'.

Contents. Delete the title for clause 3 and substitute '*Text deleted*'.

Foreword. Delete the existing text (as amended by Amendment No. 1) and substitute the following.

'This British Standard was originally published in 1934 and revised in 1939 and 1969. Subsequently two amendments have been published under the direction of the Elements and Components (of Diverse Materials) for Buildings Standards Committee.

Amendment No. 2 permits putties based on limestone fillers as well as putties incorporating whiting to comply with the standard. The composition of putties will be periodically reviewed in conjunction with the preparation of a new British Standard giving performance requirements for all types of glazing compound.'

Clause 3. Description. Delete the existing clause and substitute '*Text deleted*'.

Clause 4. Composition. Delete the existing clause and substitute the following.

‘4. COMPOSITION

The material shall consist of a homogeneous paste composed of the following.

Raw linseed oil complying with BS 243, 632* or refined linseed oil complying with BS 242*	Not less than 10.0 % by mass as determined within 3 months from the date of manufacture by the method given in Appendix C
Additives taken as the unsaponifiable matter determined by the method given in Appendix C	Not more than 2.5 % by mass of the extracted oil
Water	Not more than 0.5 % by mass as determined by the method described in BS 3900: Part B1†
Filler (as specified in Appendix B)	Remainder as determined by the method given in Appendix C

Delete the existing asterisked footnote and substitute ‘*BS 242, 243, 259, 632 ‘Specifications for linseed oil’.’

Appendix B. Specification for whiting. Delete the existing appendix (as amended by Amendment No. 1), including the footnotes, and substitute the following.

‘APPENDIX B

SPECIFICATION FOR FILLER

The material shall consist of a finely divided powder prepared from calcium carbonate and complying with the following specification.

(1) *Particle size distribution.*

Size of particles (µm)	% undersize	% cumulative residue	Test method described in
500	99.99 or more	0.01 max.	Clause 8 of BS 1795*: 1976
125	99.00 or more	1.0 max.	
63	94.00 or more	6.0 max.	
45	84.00 or more	16.0 max.	
32	92.0 or less		Clause 9 of BS 1795*: 1976
4	40 to 65		

(2) *Calcium carbonate content.* When tested as described in clause 15 of BS 1795*: 1976 the material shall have a calcium carbonate content of not less than 94 %.

(3) *pH value of aqueous suspension.* When tested as described in clause 13 of BS 1795*: 1976 the pH value of the aqueous suspension of the material shall be in the range 8 to 10.