

Sherwin-Williams Diversified Brands Ltd

Thorncliffe Park
Chapelton
Sheffield S35 2YP

Tel: 0114 246 7171 Fax: 0114 245 5629

e-mail: enquiry@ronseal.co.uk

website: www.ronseal.com



Agrément Certificate

96/3303

Product Sheet 14

RONSEAL WOODCARE RANGE

RONSEAL 10 YEAR WOODSTAIN

This Agrément Certificate Product Sheet⁽¹⁾ relates to Ronseal 10 Year Woodstain, a medium build, semi-transparent and semi-gloss woodstain, for use on internal or external timber joinery, doors or planed cladding.

(1) Hereinafter referred to as 'Certificate'.

CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.



KEY FACTORS ASSESSED

Water vapour permeability — the product is permeable to moisture vapour, therefore the moisture content of the coated timber is more likely to remain stable than that of timber coated with a conventional alkyd gloss system (see section 6).

Durability — in normal conditions, the coating will have good colour stability and perform satisfactorily for up to 10 years (see section 10).



The BBA has awarded this Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of First issue: 5 June 2018

John Albon – Head of Approvals
Construction Products

Claire Curtis-Thomas
Chief Executive

The BBA is a UKAS accredited certification body – Number 113.

The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

British Board of Agrément

Bucknalls Lane
Watford
Herts WD25 9BA

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tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk

Regulations

The following Regulations restrict the situations where timber cladding can be used. Where timber is permitted, the BBA considers the use of Ronseal 10 Year Woodstain to be unrestricted:



The Building Regulations 2010 (England and Wales) (as amended)



The Building (Scotland) Regulations 2004 (as amended)



The Building Regulations (Northern Ireland) 2012 (as amended)

Construction (Design and Management) Regulations 2015

Construction (Design and Management) Regulations (Northern Ireland) 2016

Information in this Certificate may assist the client, designer (including Principal Designer) and contractor (including Principal Contractor) to address their obligations under these Regulations.

See sections: 3 *Delivery and site handling* (3.1 and 3.4) and 4 *Use* (4.2) of this Certificate.

Additional Information

NHBC Standards 2018

In the opinion of the BBA, Ronseal 10 Year Woodstain, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapter 9.5 *Painting and decorating*.

Technical Specification

1 Description

1.1 Ronseal 10 Year Woodstain is a water-based acrylic polymer with pigments and other additives. The product is defined as medium build, semi-transparent and semi-gloss under BS EN 927-1 : 2013.

1.2 The product is available in satin finish in a range of 11 colours: Antique Pine, Black Ebony, Dark Oak, Natural Oak, Deep Mahogany, Natural Pine, Mahogany, Oak, Smoked Walnut, Walnut and Teak.

2 Manufacture

2.1 The product is manufactured in a batch-blending process.

2.2 As part of the assessment and ongoing surveillance of product quality, the BBA has:

- agreed with the manufacturer the quality control procedures and product testing to be undertaken
- assessed and agreed the quality control operated over batches of incoming materials
- monitored the production process and verified that it is in accordance with the documented process
- evaluated the process for management of nonconformities
- checked that equipment has been properly tested and calibrated

- undertaken to carry out the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control being operated by the manufacturer are being maintained.

3.2 The management systems of Sherwin-Williams Diversified Brands Ltd have been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2008 and BS EN ISO 14001 : 2004 by BSI (Certificates FM01669 and EMS 35924 respectively).

3 Delivery and site handling

3.1 The product is supplied in 0.25, 0.75 and 2.5 litre tins marked with the Certificate holder’s name, batch number and code, and the BBA logo incorporating the number of this Certificate. Larger sizes may be available on request.

3.2 The product should be stored in a cool, dry, well-ventilated place. Containers should be protected from frost when in transit and when stored on site.

3.3 The product has a shelf-life of up to two years. Partly used containers of the product will also have a shelf-life of up to two years provided they are stored in airtight containers.

3.4 The Certificate holder has taken the responsibility of classifying and labelling the product under the *CLP Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures*. Users must refer to the relevant Safety Data Sheet(s).

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Ronseal 10 Year Woodstain.

Design Considerations

4 Use

4.1 Ronseal 10 Year Woodstain is satisfactory for use as a medium build, semi-transparent and semi-gloss woodstain on internal or external timber joinery, doors or planed cladding.

4.2 Care must be taken to provide adequate ventilation when working in confined spaces.

5 Practicability of installation

The product can be readily applied by a competent general builder, or a contractor, experienced with this type of product.

6 Water vapour permeability

6.1 The product is permeable to water vapour and is substantially more permeable than a conventional alkyd gloss paint system (see Table 1).

Table 1 Water vapour resistance test results

Product	Water vapour resistance (MN·s·g ⁻¹)
Ronseal 10 Year Woodstain	0.08
Alkyd gloss system	18.8

6.2 In painted joinery, water normally enters the substrate through defects in the paint film and through joints, and the substrate can, therefore, reach a high moisture content. With an impermeable film, natural drying is slow and the moisture content will remain high; consequently, the paint may perform badly, and the substrate, if not preserved, may decay. The product has less impediment to natural drying, and the substrate will dry more readily after exposure to wet

conditions. Consequently, unpreserved timber coated with the product may decay less readily than with a conventional paint coating.

7 Design of window joinery

7.1 After exposure, the product may develop fine cracks at sharp corners which will permit water penetration and affect durability. Window joinery (particularly sills) should be designed to have rounded or bevelled corners. Should cracking occur, these areas should be recoated.

7.2 The product does not give the same level of protection to putty as that given by a traditional alkyd gloss paint system. Suitable glazing specifications for use with the product are:

- beaded glazing with 20 mm beads of preservative-treated softwood/non-durable hardwood⁽¹⁾
- beaded glazing with rigid, high-density hardwood beads⁽¹⁾
- factory-produced gasket-glazed units.

(1) Beads should be rounded or bevelled, and glazing should be bedded with a non-setting, polymer-based sealant.

8 Transmission of ultraviolet light

The product protects the surface of the wood from the effects of UV degradation.

9 Maintenance

9.1 Re-coating should be carried out at ten-yearly intervals. Damaged areas must be repaired, and any loose and flaking material removed. The surface is lightly abraded using a fine-grade abrasive paper, working in the direction of the grain, and any excess dust is removed with a damp cloth and allowed to dry. One or two coats of the product are applied in accordance with section 13.

9.2 The product can be used over an existing stained finish. To prevent progressive darkening of the surface, a lighter shade may be used for redecoration.

10 Durability

10.1 Ronseal 10 Year Woodstain will perform satisfactorily, with good colour retention, for up to 10 years in normal conditions:

- to new external timbers preserved in accordance with BS EN 351-1 : 2007 or in accordance with the recommendations contained in the *Wood Preservation Manual : Wood Preservation, Specification and Practice*
- for recoating an existing stained surface.

10.2 The external performance of unpreserved timber is limited by the possibility of decay (see section 6).

10.3 The coating may be discoloured by water runs. To prevent this, the normal architectural details for shedding water clear of the building should be present and functioning.

Installation

11 General

11.1 Ronseal 10 Year Woodstain must be stirred thoroughly before application and applied in accordance with the Certificate holder's instructions, in dry conditions and to properly prepared substrates.

11.2 Application must not be carried out in direct sunlight.

12 Preparation

12.1 Timbers must be free from defects and resin exudation, and joinery must be designed with proper water-shedding details. Ideally, planed timbers should have rounded or bevelled edges.

12.2 New timbers, including beading, should be pre-treated with an over-paintable preservative in accordance with section 10.1. The heartwood of durable hardwood species does not require preservative treatment.

12.3 The substrate must be clean, dry and free from oil, grease and other contaminants. All previous coatings must be removed. Any discoloured wood must be sanded until the original surface is visible.

12.4 Mould, algae, lichens and moss should be removed with a scraper and stiff brush, and these areas treated with a solution of one part household bleach to four parts water. After 48 hours the surface should be rinsed thoroughly with water and allowed to dry.

12.5 The timber must be free from residual solvent if an organic solvent preservative is used, or be adequately dry if a water-based preservative is used.

12.6 Any holes should be filled with a flexible, stainable exterior filler. If these defects are visible, they can be obscured by using a darker shade.

12.7 The surface should be lightly abraded using a fine-grade abrasive paper working in the direction of the grain. Any excess dust is to be removed with a damp cloth and the surface allowed to dry.

13 Application

13.1 The product is applied by brush in three coats, at a coverage rate of 16 to 20 m² per litre per coat. The coverage rate will vary depending on the type, texture and absorbency of the substrate.

13.2 Particular care must be taken to coat the end-grain and all the faces of glazing beads. Application of a second coat to these areas is recommended.

13.3 Initially, one coat of Ronseal 10 Year Woodstain is applied following the direction of the wood grain. In warm conditions this initial coat may be diluted with up to 25% clean water.

13.4 In normal conditions the product is touch dry in one hour. Subsequent coats can normally be applied after four hours at the same rate of coverage.

Technical Investigations

14 Tests

Tests were conducted on samples of both Ronseal 10 Year Woodstain and treated timber, and the results assessed to determine:

- storage stability
- ease of application
- resistance to water penetration
- water vapour permeability
- colour stability and resistance to artificial weathering
- effectiveness against mould growth
- resistance to blocking
- extensibility.

15 Investigations

15.1 An assessment was made of existing data relating to external durability.

15.2 The manufacturing process was evaluated, including the methods adopted for quality control, and details were obtained of the quality and composition of the materials used.

Bibliography

BS EN 351-1 : 2007 *Durability of wood and wood-based products — Preservative-treated solid wood — Classification of preservative penetration and retention*

BS EN 927-1 : 2013 *Paints and varnishes — Coating materials and coating systems for exterior wood — Classification and selection*

BS EN ISO 9001 : 2008 *Quality management systems — Requirements*

BS EN ISO 14001 : 2004 *Environmental management systems — Requirements with guidance for use*

16 Conditions

16.1 This Certificate:

- relates only to the product/system that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold claim that this Certificate has been issued to them
- is valid only within the UK
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

16.2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

16.3 This Certificate will remain valid for an unlimited period provided that the product/system and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

16.4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

16.5 In issuing this Certificate the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product/system or any other product/system
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product/system
- actual installations of the product/system, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product/system is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product/system, including its manufacture, supply, installation, use, maintenance and removal
- any claims by the manufacturer relating to CE marking.

16.6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product/system which is contained or referred to in this Certificate is the minimum required to be met when the product/system is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.