

Solignum Architectural Water Based Opaque Wood Stain

PS540 series

Features

- Decorates and protects most types of timber in two coats
- Normally re-coatable within 2 hours
- Protects against damaging effects of sunlight
- Micro-porous – allows wood to breathe
- Flexible – allows for wood movement
- Resists algae, fungi and bacterial growth
- Supplied ready for use

Intended uses

Cladding, fascias, panelling, sheds, gates, fences, garden furniture, windows and doors. Compatible with wood preservative pre-treatments and most proprietary exterior wood stains.

Product description

Architectural Water Based is an opaque, medium build, decorative, pigmented semi gloss protective wood coating suitable for finished or rough-sawn timber. Applied as two coats, the 100% pure acrylic binder provides protection for four to five years. On difficult substrates such as aged ply or previously painted features, Architectural Water Based may be applied to consolidate and bind the surface. This may result in a shorter maintenance period being required. It can also be used on brick, concrete, composites and primed metal, if colour blending with architectural features is required.

Architectural Water Based is suitable for greenhouses, cold frames and animal quarters. Plants should be removed and protected from splashes, and animals quartered elsewhere until the coating has thoroughly dried.

It is not suitable for surfaces subject to heavy continuous wear, eg. from foot traffic, but will withstand wear of normal use on garden furniture.

Product information

Product reference	PS540 series
Typical thickness	80 microns wet
Theoretical coverage	12m ² per litre per coat
Practical coverage	Sawn: 4-8m ² per litre per coat. Planed: 8-12m ² per litre per coat
Appearance/Colour range	The range has 14 attractive strong colours: Ebony, Jacobean, Copper Teak, Lignum Vitae, Chestnut, Rosewood, Red Maple, Cactus Green, Arctic Grey, White, Greenheart, Yellow Beech, Charcoal Grey and Reed Green plus another 8 colours in this specific range. A separate colour chart is available.
VOC content	Cat A/e: 130 g/l (2010). This product contains max 130 g/l VOC

Application details

Thinner	Clean Water
Cleaner	Water

Drying time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Minimum	Maximum
20°C	2 hours	4 hours	2 hours	N/A

Note: Drying/curing times will be shortened by higher temperatures and lengthened by lower temperatures

Storage and handling

Storage	Store in a safe place out of the reach of children. Protect from frost.
Pack Size	5 litre and 1 litre
Flash point	N/A
Product weight	1.10-1.25kg/litre
Shelf life	2 years in unopened containers

Surface preparation

It is recommended that all non-durable timber for external use is adequately pre-treated with a suitable preservative, eg. in accordance with BS5589 (Code of Practice for Preservation of Timber).

Wood should be un-weathered, bare, dry, free of mould, dirt, bark, paint, varnish or polish. Finished or rough-sawn wood may be treated. Moisture content should be less than 21% at the time of treatment. Architectural Water Based may not properly adhere if applied to surfaces, particularly horizontal surfaces, which are retentive of surface moisture from rain, fog, mist, dew etc.

Application instructions

When re-decorating existing Architectural Water Based finishes use a stiff, non-wire brush to remove loose, extraneous material. For sawn timber wash down with a suitable fungicide and allow to dry. Re-coat with one or two applications as required. Re-decoration with different shades is possible. The coating may be kept clean by wiping down with a clean cloth soaked in detergent solution.

Two coats are recommended throughout, with a third coat on horizontal surfaces such as sills. Architectural Water Based should be applied in good drying (is possible windless) conditions above 8°C and avoiding rainfall within the first three hours of drying. Care must always be taken to protect immediate surroundings during application.

Apply by brush or roller, being careful to avoid overbrushing/rolling and to achieve the recommended coverage. Stop only at natural architectural features to avoid overlapping drying edges. A damp rag may be used to wipe up splashes, since they are much more difficult to remove after drying. Ensure that windows and doors are thoroughly dry before closing. New timber features such as window joinery or cladding should receive one coat of Architectural Water Based all round prior to fixing.

Architectural Water Based is compatible with wood preservative treatments that do not contain water repellent additives. It has been designed for exterior use to resist weathering but can also be used for interior features. When using the lighter shades, resinous timber substrates should be avoided. If it is necessary to use this type of timber, a proprietary knotting treatment is recommended. Ermine White may be stained by resin bleed from new timbers. Use flexible proprietary fillers.

External Window Joinery: It is important to ensure that only top-quality joinery is used and that the timber has been adequately preserved, eg. in accordance with BS5589 Code of Practice for Preservation of Timber. Beaded glazing, using a non-setting mastic is recommended for all new window joinery. Where fresh putty is encountered in maintenance work, the normal 7-14 day ageing period is not sufficient to allow application of water based coatings, therefore any new putty or glazing mastic should be sealed with an oil-based primer and left for 24 hours before application of Architectural Water Based. Acrylic putty used in place of Linseed oil putty will allow painting within hours of putty application.

Safety precautions

The handling and safety precautions shown on the product label must be understood and followed at all times. In general terms, care must be taken to avoid contact with eyes and skin, oral ingestion and inhalation of vapours and films. Always consult the label and the Material Safety Data Sheet before use.

Definitions

Tolerances	All information quoted in this data sheet is subject to normal manufacturing tolerances.
Practical coverage	Practical coverage can vary considerably depending on method of application, surface roughness, weather conditions and complexity of the structure.
Pot Life	Applies only to two component products and refers to the time the mixture remains usable.

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied him/herself independently as to the suitability of our products for his/her own particular purpose. In no event shall Tor Coatings be liable for consequential or incidental damages.

This document will normally be updated at least every two years. It is the users responsibility to ensure that they have the current copy.

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