



# Outdoor Varnish

**Sadolin® Outdoor Varnish** is a tough clear varnish, specifically formulated to enhance the natural beauty of windows, doors and conservatories. Its waterproof, UV protective coating contains no pigment content, but offers tough protection to retain the existing colour of your wood.

**Sadolin® Outdoor Varnish** is suitable for windows, doors and conservatories.

**Sadolin® Outdoor Varnish** can be used on new wood and as an on-going maintenance product.

<b>Properties</b>	
<b>Composition</b>	Alkyd resin, dissolved in deaerated white spirit with advanced UV filters.
<b>Coating System</b>	2-3 coats on previously coated timber or 3 coats on new joinery.
<b>Finish</b>	Matt or Satin finish.
<b>Recommended Application Rate</b>	Up to 15m <sup>2</sup> per litre on smooth timber. This figure is intended as a guide. The actual coverage will depend on a number of factors, including timber species, surface condition, moisture content, method of application and climatic conditions during application.
<b>Minimum Wet Film Thickness</b>	Approximately 67 micrometres @ 15m <sup>2</sup> per litre on non-absorbent surfaces. The base coat should be applied liberally in order to satisfy the natural absorption / porosity of the timber surface.
<b>Dry Film Thickness</b>	Approximately 35 micrometres @ 15m <sup>2</sup> per litre.
<b>Drying Time @ 20°C / 65%RH</b>	Touch dry : 4-6 hours. Recoatable : 16-24 hours. <b>Note:</b> Drying times are dependent upon absorption of substrate and drying conditions. At low temperatures and / or conditions of high relative humidity, drying times will be extended.
<b>Volume Solids</b>	Approximately 52%.
<b>VOC Content</b>	EU limit value for this product (cat A/e): 400 g/l (2010). This product contains max 399 g/l VOC.
<b>Flash Point</b>	40°C (closed cup).
<b>Colour Range</b>	Clear, in matt or satin finish.
	Formulated without colour pigment, <b>Sadolin® Outdoor Varnish</b> maintains the natural colour of your wood. As with all translucent coatings, the final colour and sheen are dependent on a number of factors, including the timber species, colour and cut, and the presence of any existing coating. A trial application is recommended prior to the commencement of work in an inconspicuous area.
<b>Container Size</b>	<b>Sadolin® Outdoor Varnish</b> is available in 750ml & 2.5 litre containers.
<b>General Information</b>	The following information is provided for guidance purposes. All products should be applied in accordance with the manufacturer's instructions, BS 6150 and BS 8000: Part 1: 1989. <b>Crown Paints</b> are unable to guarantee results as we have no control over the conditions under which products are applied.
<b>Preparation</b>	
<b>General</b>	Timber surfaces must be suitably prepared, clean, sound and dry. The moisture content should not exceed 18% prior to coating. Resinous deposits should be removed. Degrease any exposed bare timber surface by wiping with a cloth dampened with methylated spirits. "Knotting agents should not be used with Sadolin® translucent systems. Timber exposed to weather for 4 weeks or longer, or any loose, grey or de-natured timber must be thoroughly sanded back to a clean sound surface. Fillers specifically designed for use with timber such as the Sadolin® Woodfiller should be used for making good any minor surface defects, imperfections and open joints etc. General or All Purpose fillers are not suitable. Only use non-ferrous screws, nails and fixings.
<b>New Timber</b>	Any non preservative treated softwood timber should be treated with two liberal coats of <b>Sadolin® Wood Preserver</b> , paying particular attention to end grains, allowing 24 hours drying time between coats and before overcoating with <b>Sadolin® Outdoor Varnish</b> . Where possible, Outdoor Varnish should be applied all round prior to fixing.
<b>Base Stained Joinery</b>	Prepare all surfaces in accordance with the manufacturer's instructions. Treat bare wood with 3 full coats of <b>Sadolin® Outdoor Varnish</b> allowing a minimum of 16-24 hours drying between coats. ( <b>Sadolin® Outdoor Varnish</b> can be used in conjunction with one or more base stain coats of <b>Sadolin® Classic</b> , where a stain colour is desired, followed with 2 full coats of <b>Sadolin® Outdoor Varnish</b> )

<b>Glazing</b>	The backs of new glazing beads, end grains and rebates should be brought to a finish in full with <b>Sadolin® Outdoor Varnish</b> prior to fixing. Joinery to be coated with <b>Sadolin® woodstain</b> systems should be glazed using a suitable sealant. The use of linseed oil putty or modified, non-setting compounds are not recommended in conjunction with our wood protection systems. To confirm compatibility, please consult the manufacturer of the relevant glazing material. Silicone glazing materials should only be applied upon completion of the finishing coats.
<b>Application</b>	
<b>Conditions</b>	Do not apply if there is a risk of rain, or when air / substrate temperatures are below 8°C or above 25°C, or if the relative humidity is above 80% during application or drying periods. Protect from frost and rain until dry. Failure to meet these requirements may adversely affect the drying, visual quality and durability of the finish.
<b>Initial Procedure</b>	Ensure product is thoroughly stirred before and during application, otherwise sheen variations may be experienced. <b>Sadolin® Outdoor Varnish</b> is supplied ready for use. Do not thin.
<b>Applying the Product</b>	<b>Sadolin® Outdoor Varnish</b> should be applied in a full flowing coat ensuring all surfaces and end grains are fully coated. For best results use a good quality, long-haired, soft bristle brush. Pay special attention to end grain, tops and bottoms of doors, and undersides of cills. Finish with 2 or 3 full coats of <b>Sadolin® Outdoor Varnish</b> (dependent on the job) allowing a minimum of 16-24 hours drying between coats.
<b>Maintenance</b>	The need for maintenance is indicated by a reduction in sheen as the coating erodes, and a loss of water repellence. All defective coatings should be completely removed. Any grey denatured exposed timber surfaces must be thoroughly sanded back to clean, bright timber. Organic growths must be removed and infected surfaces should be treated with a suitable fungicidal solution. Remaining sound surfaces should be cleaned using a warm water and mild detergent and rinsed thoroughly with clean water. Bare and previously woodstained timber should be patch primed with 1 or more coats of <b>Sadolin® Classic</b> in the appropriate shade to match existing colour, or <b>Outdoor Varnish</b> patch where appropriate. On weathered / eroded surfaces apply a further coat of <b>Sadolin® Outdoor Varnish</b> overall and allow to dry. Finish with 2 or 3 coats of <b>Sadolin® Outdoor Varnish</b> as required.
<b>Cleaning Equipment</b>	Clean brushes and equipment with a proprietary brush cleaner immediately after use. If spilled, <b>Sadolin® Outdoor Varnish</b> should be removed immediately while still wet, using clean white spirit.
<b>Storage</b>	Ensure this pack is stored upright and secure at all times. Crown Paints Limited cannot accept liability for damage caused by spillage, or failure to follow manufacturer's instructions. Do not store below 5°C or above 40°C.
<b>Relevant Standards</b>	BS 6150 - Code of practice for painting of buildings. BS 8000: Part 12 : 1989 - Workmanship on building sites. Code of practice for decorative wallcoverings and painting. BS EN 927-1 : 1997 - Coating materials and coating systems for exterior wood Part 1: Classification and selection. BS 6262: 1982 Glazing for buildings. BS 8000-7: 1990 - Workmanship on Building Sites. Code of practice for glazing. BS EN 335-2: 1992 - Durability of wood and wood based products - Definition of hazard classes of biological attack. Part 2: Application to solid wood. BS EN 350-2: 1994 - Durability of wood and wood-based products - Natural durability of solid wood. Information on British Standards can be obtained from the British Standards Institute, tel: 0208 996 9001.
<b>Health, Safety and the Environment</b>	<p>It is the policy of <b>Crown Paints</b> to provide the highest standard of safety, health and environmental advice and information. To this end, material safety data sheets covering every product are supplied to our customers and are freely available to users on request, by contacting us on the number given below. The safety phrases on the containers and material safety data sheets should be read before using this product.</p> <p><b>Removal of lead paint.</b> Take special precautions during the surface preparation of pre 1960s painted surfaces as they may contain harmful lead. Remove all such coating materials in accordance with the appropriate legislation. A guide on "How to remove old lead paint safely" is available via the British Coatings Federation Ltd. (Tel. 01372 360660).</p> <p><b>Surface Preparation and Applications.</b> Treatments such as sanding and burning off, etc. of paint films may generate hazardous dust and/or fumes. Work in well ventilated areas. Use suitable personal respiratory equipment together with any other Personal Protection Equipment (PPE) as necessary.</p> <p><b>Environment</b> --- Crown Paints are committed to achieving the highest standards of health and safety at work and to minimising any impact our operations and products may have on the quality of the environment. We will provide such information as is necessary to customers to ensure so far as is reasonably practicable that our products can be used, transported, stored and disposed of safely without risk to health or the environment.</p> <p>It is recommended that any waste material be taken to a household waste disposal site provided by your Local Authority. Do not empty waste materials into drains, watercourses or access routes to septic tanks.</p> <p><b>Customer Service details</b> For help or more information contact our Customer Relations Team on 0330 024 0298. Before using this product please ensure you have the latest information.</p> <p><b>The above information is correct at the date of issue, January 2017.</b></p>