



## Woodshield Opaque Wood protection



**Sadolin Woodshield** is an excellent alternative to traditional gloss paint. Its advanced formula has a number of benefits: self-priming/undercoating, resists cracking, peeling and flaking, 8 year protection, this product requires very little maintenance. Its unique formula erodes naturally over time so that when redecorating is required a simple clean and recoat will ensure optimum protection is again achieved – no need for sanding, scraping or stripping. **Sadolin Woodshield** can be used directly over your prepared existing gloss paint or Woodstain without the need for stripping back or an additional primer. **Sadolin Woodshield** is suitable for use on all exterior timber (except decking) where an opaque finish is required.

Properties	
Composition	Alkyd / Acrylic resin blend dispersed in water.
Coating System	2 coats of Woodshield on bare, stained or painted timber (in some instances the use of a stain blocking primer may be required, see 'General' in Preparation section below).
Finish	Opaque gloss.
Recommended Application Rate	8-10m <sup>2</sup> per litre on smooth planed timber. These figures are 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.
Minimum Wet Film Thickness	Approximately 100 micrometres @ 10m <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.
Dry Film Thickness	Approximately 36 micrometres @ 10m <sup>2</sup> per litre
Drying Time @20°C/65%RH	Touch dry : 1 hour. Recoatable :16 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.
Volume Solids	Approximately 36%.
VOC Content	EU limit value for this product (cat. A/ d): 150 g/l (2007) / 130 g/l (2010). This product contains max 45 g/l VOC.
Flash Point	Not applicable.
Colour Range	
	3 standard colours (Black, Mahogany and Super White). As with most water borne coatings, the final colour and sheen level does not develop until the <b>Woodshield</b> is fully dry. A trial application is recommended prior to the commencement of work.
Container Size	
	<b>Sadolin Woodshield</b> is available in 1 & 2.5 litre containers.
General Information	
	The following information is provided for guidance purposes, sample specifications for all Sadolin woodcare finishes are available on the Sadolin website, ( <a href="http://www.sadolin.co.uk">www.sadolin.co.uk</a> ). All products should be applied in accordance with the manufacturer's instructions, BS 6150: 2006 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.
Preparation	
General	Timber surfaces must be suitably prepared, clean 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 opaque systems. Fillers specifically designed for use with timber such as the Sadolin woodfillers 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. Where there is a risk of extractive discolouration, especially when using White or pale colours on resinous / knotty softwoods and coloured hardwoods, an initial coat of a suitable 'blocking primer' such as <b>Crown Trade PSB Stain Block Primer</b> is recommended in order to minimise the risk of this type of discolouration.
New Timber	Any non preservative treated softwood timber should be treated with two liberal coats of <b>Sadolin Quick Drying Wood Preserver</b> , paying particular attention to end grains, allowing 24 hours drying time between coats and before overcoating with <b>Sadolin Woodshield</b> . Do not use <b>Sadolin Woodshield</b> on substrates which have had water-repellent preservative treatments applied. Where possible, the base coat should be applied all round prior to fixing.
Base Stained / Primed Joinery	Lightly abrade, in the direction of the grain. Do not break through the surface coating. Remove all dust. <b>Note:</b> Where there is localised damage, or deterioration has occurred as a result of exposure of the factory coating for longer than 3 months, affected areas should be thoroughly sanded back to a sound substrate and recoated. To ensure optimum durability and uniformity of appearance, we recommend finishing with 2 full coats <b>Sadolin Woodshield</b> .

<b>Glazing</b>	
	The backs of new glazing beads, end grains and rebates should be brought to a finish with <b>Sadolin Woodshield</b> prior to fixing. Joinery to be coated with <b>Sadolin Opaque</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 10°C or above 25°C or the relative humidity is above 65% 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 and colour variations may be experienced. <b>Sadolin Woodshield</b> is supplied ready for use. Do not thin.
<b>Applying the Product</b>	<b>Sadolin Woodshield</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 brush specifically designed for use for the application of water borne products. Pay special attention to end grain, tops and bottoms of doors, and undersides of cills. Following surface preparation in accordance with the manufacturers recommendations, finish with two full coats of <b>Sadolin Woodshield</b> allowing a minimum of 16 hours drying between coats.
<b>Maintenance</b>	The need for maintenance is indicated by a lightening in colour, 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 timber should be patch primed with one coat of <b>Sadolin Woodshield</b> . Finish with 1 or 2 coats of <b>Sadolin Woodshield</b> as required.
<b>Cleaning Equipment</b>	Clean brushes and equipment with warm, soapy water and rinse with clean water immediately after use. If spilled, <b>Sadolin Woodshield</b> should be removed immediately while still wet, using clean water.
<b>Storage</b>	The container should be resealed after use and stored tightly closed to prevent evaporation of the product and entry of air. Store in cool, dry, frost-free conditions.
<b>Relevant Standards</b>	BS 6150: 2006 - 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>Safety, Health and 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 1960's 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 0844 7708 998. Before using this product please ensure you have the latest information.</p> <p><b>The above information is correct at the date of issue, Mar 2009.</b></p>