



# Polyurethane Extra Durable Varnish

**Sadolin Polyurethane Extra Durable Varnish** offers all the benefits of a water borne varnish – low odour, quick drying and a fast recoat time. The inclusion of combined polymer chemistry gives a tough, hard wearing finish; resistance to stains and spills; an easy to clean surface.

**Sadolin Polyurethane Extra Durable Varnish** is suitable for interior wood and trim including doors, windows, skirtings, cills, panelling, shelving, banisters and most other interior wood.

<b>Properties</b>	
<b>Composition</b>	Polyurethane / acrylic resin, dispersed in water.
<b>Coating System</b>	3 coats of Polyurethane Extra Durable Varnish on bare or previously varnished timber.
<b>Finish</b>	<b>Clear</b> is available in Gloss, Satin or Matt.
<b>Recommended Application Rate</b>	Up to 12m <sup>2</sup> per litre on smooth planed 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 84 micrometres @ 12m <sup>2</sup> per litre on non-absorbent surfaces.
<b>Dry Film Thickness</b>	Approximately 22 micrometres @ 12m <sup>2</sup> per litre
<b>Drying Time @20°C/65%RH</b>	Touch dry : 1-2 hours. Recoatable : 2-4 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 25%.
<b>VOC Content</b>	EU limit value for this product (cat. A/ e): 130 g/l (2010). This product contains max 27 g/l VOC.
<b>Flash Point</b>	Not applicable.
<b>Colour Range</b>	
	<b>Clear</b> Gloss, Clear Satin or Clear Matt finish
<b>Container Size</b>	
	<b>Sadolin Polyurethane Extra Durable Varnish</b> is available in 1 & 2.5 litre containers
<b>General Information</b>	
	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.
<b>Preparation</b>	
<b>General</b>	Timber surfaces must be suitably prepared, clean, sound and dry. The moisture content should not exceed 14% prior to coating. "Knotting agents" should not be used with Sadolin varnish 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.  Surfaces should be carefully denibbed between coats using a fine grade nylon abrasive pad or fine grade (P240 or finer) wet or dry silicone carbide abrasive paper, in the direction of the grain. Do not break through the surface coating. Remove all dust.  Only use non - ferrous screws, nails and fixings.
<b>New Timber</b>	Resinous deposits should be removed with a scraper. Remove any remaining residues and degrease any exposed bare timber surface by wiping with a clean, lint free cloth, dampened with methylated spirits, frequently changing the face of the cloth. Allow solvent to fully evaporate before overcoating. Lightly abrade along the grain using a suitable abrasive paper taking care not to damage or scratch the timber surface. Remove all dust.
<b>Existing Coatings</b>	Remove all defective coatings. Organic growths must be removed and infected surfaces should be treated with a suitable fungicidal solution. All existing finishes should be thoroughly abraded to provide a key for good adhesion. Remaining sound surfaces should be cleaned using a warm water and mild detergent and rinsed thoroughly with clean water. Finish with 2 coats of <b>Sadolin Polyurethane Extra Durable Varnish</b> .

<b>Application</b>	
<b>Conditions</b>	Do not apply 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 water 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 Polyurethane Extra Durable Varnish</b> is supplied ready for use. Do not thin.
<b>Applying the Product</b>	<b>Sadolin Polyurethane Extra Durable Varnish</b> should be applied in full flowing coats, laying off in the direction of the grain, ensuring all surfaces and end grains are fully coated. For best results use a good quality, synthetic fibre bristle brush specifically designed for the application of water borne products. Following surface preparation in accordance with the manufacturers recommendations, finish with 3 full coats of <b>Sadolin Polyurethane Extra Durable Varnish</b> allowing a minimum of 2 hours drying between coats. Avoid over brushing as this will cause brush marks and result in a poor quality finish. Carefully denib between coats using a fine grade nylon abrasive pad or a fine grade (P240 or finer) wet or dry silicone carbide abrasive paper in the direction of the grain. Do not break through the surface coating. Remove all dust. All subsequent coatings should be applied as soon as possible after the previous coat has fully dried.
<b>Maintenance</b>	Remove any defective coatings. 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. Allow to fully dry. Lightly abrade with a fine grade (P240 or finer) wet or dry silicone carbide or similar abrasive paper in the direction of the grain. Remove all dust. Finish with 1 or 2 coats of <b>Sadolin Polyurethane Extra Durable Varnish</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 Polyurethane Extra Durable Varnish</b> should be removed immediately while still wet, using clean water.
<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. Do not store below 5°C or above 40°C.
<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. Information on British Standards can be obtained from the British Standards Institute, tel: 0208 996 9001.
<b>Health, Safety and the Environment</b>	
	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.  <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).  <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.  <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.  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.  <b>Customer Service details</b> For help or more information contact our Customer Relations Team on 0330 0240 298. Before using this product please ensure you have the latest information.  <b>The above information is correct at the date of issue, January 2017</b>