



## PV67 Heavy Duty Varnish

**Sadolin PV67 Heavy Duty Varnish** is a two-pack varnish, achieving a highly professional finish. It is available in a clear gloss or satin finish and is a fast drying, two component, acid-catalysed varnish for use on flooring and all other interior timber. The **Sadolin PV67 Heavy Duty Varnish** system comprises a satin or gloss varnish base with hardener and is ideal for use on high traffic areas, providing excellent protection against spills, scratches and scuffing. **Sadolin PV67 Heavy Duty Varnish** is also ideal for use on furniture, and other interior timber, where a hard wearing finish is required. Some timbers, in particular pine with a high proportion of heartwood, may darken on application. Timber is a natural and highly variable material. The degree of colour change is unpredictable, and therefore a trial application is strongly advised.

<b>Properties</b>	
<b>Composition</b>	Two- component, acid catalysed lacquer consisting of a modified urea formaldehyde / alkyd polymer dissolved in a special mixture of solvents.
<b>Coating System</b>	3 coats of PV67 (mixed in accordance with manufacturers instructions) on bare, smooth planed timber. Pine with a large amount of heartwood may acquire a reddish tinge from acid catalysed lacquers.
<b>Finish</b>	Satin and Gloss finish options available.
<b>Recommended Application Rate</b>	Up to 13m <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>	75 micrometres at 13m <sup>2</sup> per litre
<b>Dry film thickness</b>	30 micrometres at 13m <sup>2</sup> per litre
<b>Drying Time @20°C/65%RH</b>	First Coat: Touch dry : ½ hour. Recoatable : Minimum 1 hour. Subsequent coats : 3-4 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. Do not expose the coated surfaces to heavy foot traffic for at least 8 hours after application, introduce furniture for 24 hours, or install rugs for 1 week.
<b>Volume Solids</b>	Approximately 41%.
<b>VOC Content</b>	EU limit value for this product (cat. A / j): 500 g/l (2010). This product contains max 499 g/l VOC (when mixed)
<b>Flash Point</b>	Varnish <21°C, Hardener <31°C
<b>Colour Range</b>	
	<b>Clear.</b> Where a coloured finish is required, <b>PV67 Heavy Duty Varnish</b> may be applied over 1 coat of <b>Sadolin Classic</b> or similar low build woodstain once the coloured base stain has fully dried (3-5 days must be left before overcoating).
<b>Container Size</b>	
	<b>Sadolin PV67 Heavy Duty Varnish</b> is available in pack combinations 5 litre varnish + 0.5 hardener. 1 litre varnish + 0.1 litre hardener.
<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 12: 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, moistened 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>	<b>Sadolin PV67 Heavy Duty Varnish</b> should not be applied to conventional single pack varnishes, either water borne or solvent borne. If in any doubt about the nature of the existing finish, it must be completely removed back to clean, bright timber and the retreated as 'New Timber'.
<b>Application Conditions</b>	Warm and dry weather conditions assure proper drying/curing. Excessive humidity or low temperature will affect the chemical reaction in the finish, causing incomplete drying/curing. The formaldehyde release period can also be negatively affected. To minimise such problems, application of PV67 Heavy Duty Varnish is recommended between 18-25°C and not above 65% relative humidity. If there is any doubt regarding the level of humidity present, a dehumidifier should be used prior to, during, and immediately after the application of PV67. Good air flow and ventilation are essential, there must be good ventilation at ground level during and after application. Where air circulation is poor, we recommend the use of electric fans to assist air movement. Do not direct drafts at the surface. The moisture content of the timber should be allowed to stabilise to the conditions within the room, and should not exceed 14%. PV67 Heavy Duty Varnish is ready to use in its combined form and does not require thinning. It is not recommended to increase the speed of drying by using additional hardener. Protect from water until dry. Do not apply to wood species with a heavy oil content without thorough surface preparation, i.e. sanding and degreasing with a sharp solvent and if necessary a trial application. Do not over and under dose hardener. The exact amount is very important. Do not apply over floors that have been bleached. Do not apply over conventional single pack varnishes either water or solvent borne. If in any doubt about the nature of the existing finish it must be completely removed back to clean bright timber and treated as new. Do not allow heavy traffic for at least eight hours after application. Do not install furniture until 24 hours after application. Do not install rugs until one week after application. Newly applied surfaces should be allowed one week complete curing time before any cleaning is undertaken.
<b>Initial Procedure</b>	Ensure product is thoroughly stirred before and during application, otherwise sheen and colour variations may be experienced. <b>Sadolin PV67 Heavy Duty Varnish</b> is mixed in the ratio of 10 parts varnish to 1 part hardener, by volume. The varnish / hardener mixture must be thoroughly shaken immediately prior to use. As the hardener contains acid, mixing should only take place in suitable vessels such as plastic, glass or an undamaged enamel vessel. <b>Note:</b> Once the 2 components of the varnish have been mixed, the product can be stored in a closed container below 20°C and remains useable for up to 3-4 hours, however we strongly recommend only mixing sufficient material for individual coats at any one time.
<b>Applying the Product</b>	<b>Sadolin PV67 Heavy Duty Varnish</b> should be applied in full flowing coats ensuring all surfaces are fully coated. For best results use a soft bristle brush, lambs wool applicator or quality woven short to medium pile roller. Clean application tools must be used ensuring any fibre shed is removed prior to use by thorough washing (then allow to fully dry) or by using masking tape. Following surface preparation in accordance with the manufacturers recommendations, finish with 3 full coats of <b>Sadolin PV67 Heavy Duty Varnish</b> allowing a minimum of 3-4 hours drying between coats. Avoid over brushing as this will cause brush marks and result in a poor quality finish and also reduce the level of protection afforded. Carefully denib the first coat 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 before overcoating. 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 cured.
<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 completely dry. Bare timber should be patch primed with one coat of <b>Sadolin PV67 Heavy Duty Varnish</b> . Finish with 1 or 2 coats of <b>Sadolin PV67 Heavy Duty Varnish</b> as required. <b>Care and maintenance of floors coated with Sadolin PV67.</b> PV67 varnish treated floors must not be cleaned with wax polishes, strong detergents or caustic soda. A clean down with mild detergent and water is all that is required. Do not flood the surface with water. The surface should then be buffed with a dry cloth to mop to restore the sheen. Acrylic emulsion "dressings" may be applied as necessary to improve abrasion resistance, restore shine and help to cover minor scratches. Follow manufacturer's instructions. If maintenance becomes necessary, the surfaces should be lightly sanded with a fine grade abrasive paper. Remove all dust completely and apply one coat of PV67 Varnish (two component). It is possible to maintain small areas of worn varnish by "feathering" the maintenance coat into the surrounding varnish after using a fine grade abrasive paper to prepare the surface. Coatings in a poor condition should be removed completely. Emulsion dressings must be removed before maintaining with PV67 Varnish. Newly applied surfaces should be allowed one week complete curing time before any cleaning is undertaken.
<b>Cleaning Equipment</b>	Clean brushes and equipment with a proprietary brush cleaner immediately after use. If spilled, <b>Sadolin PV67 Heavy Duty Varnish</b> should be removed immediately while still wet, using clean cellulose thinners or methylated spirits
<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>	<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.</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.</p> <p><b>The above information is correct at the date of issue, April 2015.</b></p>