



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.

Properties	
Composition	Two- component, acid catalysed lacquer consisting of a modified urea formaldehyde / alkyd polymer dissolved in a special mixture of solvents.
Coating System	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.
Finish	Satin and Gloss finish options available.
Recommended Application Rate	Up to 12m ² 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.
Drying Time @20°C/65%RH	First Coat: Touch dry : ½ hour. Recoatable : 2 hours. Subsequent coats : 2 hours. Note: 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.
Volume Solids	Approximately 50%.
VOC Content	EU limit value for this product (cat. A / j): 550g/l (2007) / 500 g/l (2010). This product contains max 549 g/l VOC (when mixed)
Flash Point	Varnish - 15°C, Hardener >16°C
Colour Range	
	Clear. Where a coloured finish is required, PV67 Heavy Duty Varnish may be applied over 1 coat of Sadolin Classic or similar low build woodstain once the coloured base stain has fully dried (3-5 days must be left before overcoating).
Container Size	
	Sadolin PV67 Heavy Duty Varnish is available in pack combinations 15 litre varnish + 1.5 hardener. 5 litre varnish + 0.5 hardener. 1 litre varnish + 0.1 litre hardener.
General Information	
	The following information is provided for guidance purposes, sample specifications for all Sadolin woodcare finishes are available on the Sadolin website (www.sadolin.co.uk). All products should be applied in accordance with the manufacturer's instructions, BS 6150: 2006 and BS 8000: Part 1: 1989. Crown Paints 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, 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.

New Timber	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.
Existing Coatings	Sadolin PV67 Heavy Duty Varnish 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'.
Application	
Conditions	Do not apply when air/substrate temperatures are below 18°C or above 30°C, and/or the relative humidity is above 65% 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. Ensure good ventilation and air flow at floor level during, and following application, this is beneficial in assisting the drying / curing process.
Initial Procedure	Ensure product is thoroughly stirred before and during application, otherwise sheen and colour variations may be experienced. Sadolin PV67 Heavy Duty Varnish 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 (either that provided, in the case of the 15 litre, or a plastic, glass or undamaged enamel vessel). Note: 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 24 hours, however we strongly recommend only mixing sufficient material for individual coats at any one time.
Applying the Product	Sadolin PV67 Heavy Duty Varnish should be applied in full flowing coats ensuring all surfaces are fully coated. For best results use a good quality brush and/or mohair roller. Following surface preparation in accordance with the manufacturers recommendations, finish with 3 full coats of Sadolin PV67 Heavy Duty Varnish 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 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.
Maintenance	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. Bare timber should be patch primed with one coat of Sadolin PV67 Heavy Duty Varnish . Finish with 1 or 2 coats of Sadolin PV67 Heavy Duty Varnish as required.
Cleaning Equipment	Clean brushes and equipment with clean cellulose thinners or methylated spirits immediately after use. If spilled, Sadolin PV67 Heavy Duty Varnish should be removed immediately while still wet, using clean cellulose thinners or methylated spirits
Storage	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.
Relevant Standards	
	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.
Health, Safety and the Environment	
	It is the policy of Crown Paints 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. Removal of lead paint. 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). Surface Preparation and Applications. 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. Environment. 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. Customer Service. 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. The above information is correct at the date of issue, Jan 2009.