



Product Instruction Sheet

Technical Datasheet

SADOLIN PV67 HEAVY DUTY VARNISH

Sadolin PV67 Heavy Duty Varnish is a 2 pack fast drying, acid-catalysed varnish for use on flooring and all other interior timber. The PV67 system comprises a satin or gloss varnish base with hardener. It is ideal for use on high traffic areas and work surfaces including bartops, providing excellent protection against spills, scratches and scuffing. *Slip resistant in clean and dry conditions only.

AVAILABILITY	
Colour range	Clear
Packaging	1 litre (with 0.1 litre hardener) and 5 litres (with 0.5 litre hardener)
PROPERTIES	
Drying time (@20°C/65% RH and dependent upon absorption of substrate)	First Coat Touch Dry – 30 minutes First Coat Recoat - 1 hour Subsequent Coats – 3-4 hours Important note: If more than 48 hours are left between coats ensure you have referred to 'Drying' section for further preparatory instructions before recoating.
Finish	Satin or Gloss
Composition	Two component acid catalysed lacquer consisting of a modified urea formaldehyde / alkyd polymer dissolved in a special mixture of solvents
Spreading rate	Up to 13m ² per litre on smooth planed timber per coat. 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.
Wet film thickness	75 micrometres at 13m ² per litre
Dry film thickness	30 micrometres at 13m ² per litre
Volume solids	Approximately 41%
Flash point	Varnish <21°C, Hardener <31°C
VOC content	EU limit value for this product (cat.A/j): 500 g/l (2010) This product contains max. 499 g/l VOC (when mixed)
Limitations	Knotting agents should not be used with Sadolin varnish systems. Do not apply over floors that have been bleached.

PREPARATION	
General Timber Advice	We recommend a test area before proceeding with full application. Timber surfaces must be suitably prepared, clean, sound and dry. The moisture content should not exceed 14% prior to coating. Use Sadolin Woodfiller to make good any minor surface defects. General or all-purpose fillers are not suitable. Resinous deposits should be removed. We recommend the use of non-ferrous screws, nails and fixings only.
Newly Laid Bare Timber Flooring	Newly laid timber flooring must be allowed to settle and to adjust to the temperature and relative humidity of the room which will cause expansion and contraction. This can take several days. Once the floor has settle follow instructions as per New Timber below.
New Timber	Remove any remaining residues on the surfaces to be decorated. Machine-sand where applicable to make the surface smooth and remove irregularities. Finish with a fine grade abrasive paper and vacuum clean the surface thoroughly (do not leave dust in cracks). Treatments such as sanding may generate hazardous dust. Work in well ventilated areas. Use suitable (respiratory) protective equipment. Degrease the exposed bare timber surface by wiping with a clean, lint free cloth, moistened with methylated spirits frequently changing the face of the cloth. Allow to dry. If the wood requires staining apply only one coat of Sadolin Classic, which is low build and allow to dry for 3-5 days before the applying PV67 Heavy Duty Varnish. If using a stain other than Sadolin Classic we recommend a test area first to ensure compatibility.
Previously Coated Surfaces	If floor is coated with anything other than PV67: Remove coating and proceed as 'New Timber'. Remove by use of chemical strippers and/or sanding. Treatments such as sanding and burning off paint films may generate hazardous dust and/or fumes. Work in well ventilated areas. Use suitable (respiratory) protective equipment. Proceed as for bare timber flooring If the floor is coated in only Sadolin PV67: Coatings in poor condition or where there is localised damage should be removed completely to remove the defective coating layer and proceed as "New Timber". Remaining sound surfaces should be cleaned using warm water and a mild detergent and rinsed thoroughly with clean water. Allow to completely dry. Degrease surface by wiping with a clean, lint free cloth, moistened with methylated spirits frequently changing the face of the cloth. Allow to dry. Sand lightly in the direction of the grain using fine grade abrasive paper (P240 or finer) or fine grade nylon abrasive pad, remove dust. Do not break through the surface of the coating. Leave overnight for the surface to condition prior to over lacquering.
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.
PREPARING PRODUCT FOR USE	Shake each individual container well before mixing, ensuring that caps/lids are secured tightly. Add 10 parts by volume of Varnish to 1 part by volume Hardener into an acid and solvent resistant container. As the hardener contains acid the container should be made of plastic, glass or an undamaged enamel vessel. Do not use metal. Stir the mixture thoroughly but carefully to avoid forming air bubbles in the mixture. Stir periodically during application. The mixture can be stored for up to 3 hours in a closed container at 20°C however we strongly recommend only mixing sufficient material for individual coats at any one time. An increase in temperature will reduce this time. Do not use after 3 hours. PV67 Heavy Duty Varnish is ready for use in its combined form and does not require thinning. Do not over or under dose hardener. The exact amount is very important.

APPLICATION	<p>Apply the PV67 Heavy Duty Varnish with a soft bristle brush or short pile roller. Clean application tools must be used. Pre wash and allow to dry all application tools to remove any loose hairs / flock prior to application.</p> <p>With brush: apply evenly and slowly to avoid the formation of air bubbles.</p> <p>With a roller or applicator: Use a roller tray. Roll/spread outwards from the point where the finish has been deposited. Then roll / spread across at right angles to give an even build. Each coat should be applied at 75um wet film thickness. Do not over brush or roll. Allow first coat to dry as per time highlighted. Sand lightly in the direction of the grain using fine grade abrasive paper (P240 or finer) or fine grade nylon abrasive pad, remove dust and apply a second coat. Do not break through the surface of the coating. Apply a third coat after the second is dry. It is not normally necessary to sand between the second and third coats.</p>
DRYING	<p>If leaving/recoating after more than 48 hours it is essential to lightly abrade the surface to remove surface gloss and leave overnight for the surface to condition prior to over lacquering.</p> <p>Do not allow heavy traffic for at least eight hours after final application.</p> <p>Do not install furniture until 24 hours after final application.</p> <p>Do not install rugs until one week after application.</p>
CONDITIONS	<p>Do not apply when temperatures during application and drying will be below 10°C or above 30°C or relative humidity is above 80%. Recommended application and drying temperatures are between 18 °C and 25°C with a relative humidity not above 65%. 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. If there is any doubt regarding the level of humidity present, a dehumidifier should be used prior to, during and immediately after application of PV67. Good airflow 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</p>
CLEANING EQUIPMENT	<p>Clean brushes and equipment with a proprietary brush cleaner immediately after use. If spilled, PV67 Heavy Duty Varnish should be removed immediately while still wet, using clean cellulose thinners or methylated spirits. Dispose of any unused mixture carefully. If unable to clean thoroughly then dispose of mixing container after use</p>
CLEANING VARNISHED SURFACES	<p>Newly applied surfaces should be allowed one week complete curing time before any cleaning is undertaken. Do not clean 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 or mop to restore the sheen.</p>
HEALTH AND SAFETY	<p>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, or visiting sadolin.co.uk. 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.</p>

STORAGE	Store containers are 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.
GENERAL INFORMATION	Every care is taken to ensure that all information provided on this Technical Data Sheet is accurate. All products should be applied in accordance with the manufacturers' instructions, BS 6150: 2006 Code of practice for painting of buildings BS 8000: Part 12: 1989 Code of practice for decorative wallcoverings and painting Information on British Standards can be obtained from the British Standards Institute on line. Crown Paints are unable to guarantee results as we have no control over the conditions under which products are applied.

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

The information in this technical datasheet is correct at date of issue – March 2018



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