

TECHNICAL DATA SHEET



POLYURETHANE EXTRA DURABLE VARNISH

A water based clear coating offering all the benefits of a traditional varnish with a tough, hard wearing finish. It is low odour, quick drying and has a fast recoat time. The inclusion of combined polymer chemistry provides a surface that is resistant to stains and spills and easy to clean.

AVAILABILITY	
Colour range	Clear
Packaging	1L and 2.5L
PROPERTIES	
Suitable Surfaces	Interior wooden surfaces including skirting boards, tables, and handrails
Drying time @ 20°C/65% RH	Touch dry – 1-2 hours. Recoat – 2-4 hours Note: Drying times are dependent upon absorption, type of substrate and drying conditions. At low temperatures and/ or conditions of high relative humidity, drying times will be extended.
Finish	Clear Matt, Satin & Gloss
Composition	Binder: Polyurethane acrylic resin Thinner: Water
Spreading rate	Up to 12m ² 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
Wet film thickness	83 micrometres at 12m ² per litre
Dry film thickness	20 micrometres at 12m ² per litre
Volume solids	25%
Flash point	Not applicable
VOC content	EU limit value for this product (cat.A/e): 130 g/l (2010) This product contains max. 26 g/l VOC
Limitations	Do not apply when air or substrate temperatures are likely to fall below 8°C, above 25°C or when the relative humidity is above 80% during application or the drying period. Do not use on substrates previously coated with water repellent preservative treatments. The use of linseed oil putty or modified, non setting compounds are not recommended with our Sadolin products.



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	Sadolin Polyurethane Extra Durable Varnish is supplied ready to use and should not be thinned.
PREPARATION	
General Timber Advice	Timber surfaces must be suitably prepared. The moisture content should not exceed 18% prior to coating. Resinous deposits should be removed. Degrease any exposed bare timber by wiping with a clean, lint free cloth dampened with methylated spirits, frequently changing the face of the cloth. Allow the solvent to fully evaporate. Abrade sound timber surfaces in the direction of the grain using medium/medium fine grade (P180/P240) pads/abrasive paper (nothing metallic), taking care not to damage or scratch across surfaces. Remove dust. "Knotting agents" should not be used with Sadolin systems. Use Sadolin Woodfillers to make good any minor surface defects. General or all purpose fillers are not suitable. We recommend the use of non-ferrous screws, nails and fixings. Exposed ferrous items may corrode and break the coating film over time if not suitably primed/treated prior to decorating
Colour guidance	The final colour and sheen of translucent coatings are dependent on timber species, colour, cut and presence of existing coating amongst other factors. We recommend a trial application in an inconspicuous area prior to commencement of work to check for colour accuracy. Always intermix (box) packs for colour consistency. Crown Paints is not liable for decorating costs caused as a result of an incorrect colour being applied
New Timber	All surfaces must be sound, suitably dry and free from anything that will interfere with the adhesion of the materials to be applied.
Previously Coated Timber	All surfaces must be sound, suitably dry and free from anything that will interfere with the adhesion of the materials to be applied. Remove all defective coatings. Organic growths should be treated with a suitable fungicidal solution and removed. Remaining sound surfaces should be cleaned with warm water and mild detergent, rinse thoroughly with clean water and allow to dry. Lightly abrade in the direction of the grain, taking care not to break the surface coating. Remove dust. Apply coats as required to clean, prepared, sound surfaces. Localised damage, or severe deterioration of coating requires thorough sanding back to sound substrate. Work to a suitable edge/end of board, treat as new.
COATING SYSTEM	On new wood: For a clear finish apply 3 coats of Sadolin Polyurethane Extra Durable Varnish For a coloured base apply 1 coat of Sadolin Classic , allow to fully dry for 72 hours, followed by 3 coats of Sadolin Polyurethane Extra Durable Varnish . Maintenance coats 1-2 on suitably clean, prepared, sound surfaces.
APPLICATION	Apply 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. 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.



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	All subsequent coatings should be applied as soon as possible after the previous coat has fully dried.
GLAZING	Backs of new glazing beads, end grains and rebates should be coated prior to fixing. Joinery should be glazed using a suitable sealant prior to coating. Silicone glazing materials should only be applied upon completion of coating. To confirm compatibility with glazing materials please consult the relevant glazing manufacturer.
CLEANING	Return surplus material to container. Clean with warm, soapy water and rinse immediately after use.
MAINTENANCE INFORMATION	Maintenance requirement is indicated by lightening of colour, reduction in sheen or loss of water repellence. Between maintenance redecoration, surfaces may be washed with a warm water and liquid detergent solution to remove surface dirt, rinse off with clean water and allow to dry.
HEALTH AND SAFETY	Please refer to the Safety, Health and Environmental Information on the container. Take special precautions during the surface preparation of pre 1960's painted surfaces as they may contain harmful lead. When preparing the surfaces avoid the inhalation of dust and/or metal particles. Wear a suitable facemask. Material Safety Data Sheets for this and all other Sadolin products are freely available from the place of purchase or the address below, or visit sadolin.co.uk Do not empty into drains, watercourses or access routes to septic tanks.
STORAGE	Store upright and secure. Store in secure dry conditions inaccessible to children or animals. Containers should be kept closed during storage. Do not store below 5°C or above 40°C.
GENERAL INFORMATION	Apply all products in accordance with: BS 6150: Painting of buildings. Code of practice. BS 8000-12: Workmanship on construction sites. Code of practice for decorative wallcoverings and painting BS 8000-7: Workmanship on construction sites. Code of practice for glazing Every care is taken to ensure that all information provided on this Technical Data Sheet is accurate. Crown Paints is unable to guarantee results as it has no control over the conditions under which its products are applied. Before using this product, please ensure you have the latest information. For help or more information contact the Sadolin Customer Relations Team on: Tel: 0330 024 0298 e-mail: info@sadolin.co.uk website: www.sadolin.co.uk This information is correct at date of issue December 2021.



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