Sadolin Polyurethane Varnish

(with Teflon® surface protector technology)

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USES

Protective interior varnish for use on skirting, wood panelling, doors, window cills, shelving, banisters, handrails, furniture etc. Available in colourless and a range of colours.

Tough surface film, resistant to water and mild household detergents. Protects against scuffs and knocks.

A water-borne interior varnish, for use as a decoration and protection on smooth planed softwoods and hardwoods. It provides a single product system, giving a hardwearing finish which is resistant to knocks, spills and abrasion. **Polyurethane Varnish** can be used on floors subject to light domestic wear. For floors subject to higher levels of wear, **Sadolin Polyurethane Floor Varnish** should be used.

Properties

COMPOSITION

Polyurethane resin, dispersed in water, with Teflon® surface protector technology.

COATING SYSTEM

Three coats alone on interior timbers. If the desired shade is achieved with one or two coats the system should be completed with colourless **Polyurethane Varnish**.

FINISH

Colours - Satin.

Colourless is available in Gloss, Satin and Matt.

As with all translucent coatings, the final colour and sheen are dependent on a number of factors, including the timber species, colour and cut, and the presence of any existing coating.

N.B. The final shade is dependent on the number and thickness of the coats applied. It should be remembered that the colour guides in the brochure are produced using three full coats of the appropriate shade.

A trial application is strongly recommended prior to the commencement of work.

RECOMMENDED APPLICATION RATE

10-12m^2 per litre.

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 conditions during application.

DRYING TIME (@20°C/65%RH)

Touch dry : 1-2 hours

Recoatable : 2-4 hours

Note: Drying times are dependent upon absorption of substrate and drying conditions. Minimum recommended application temperature 8°C. At low temperatures and/or conditions of high relative humidity, or in poorly ventilated areas, drying times will be extended.

VOLUME SOLIDS

Approximately 27% by weight (25% by volume).

VOC CONTENT

Low VOC (Volatile Organic Compounds) content.

Colour Range

6 timber shades and colourless.

Packaging/Can size

Sadolin Polyurethane Varnish is available in 1 and 2.5 litre cans.

General Information

Apply all products in accordance with BS 6150: 1991 and BS 8000 : Part 12 : 1989 (see Standards section).

Every care is taken to ensure that the information provided in this technical data sheet is accurate. **Akzo Nobel Specialist Coatings** are unable to guarantee results as we have no control over the conditions under which our products are applied.

For further help and information contact the Technical Advice Centre on 01480 496868. Before using this product ensure that you have the latest information available. The information above is correct at the date of issue, February 2005.

Preparation

GENERAL

Timber surface must be suitably prepared, clean and dry, with dust, dirt, wax and grease removed.

The timber should be allowed to acclimatise to its end-use environment. The moisture content should not exceed 14% prior to coating.

We do not recommend the use of "knotting agents" as they are not always fully effective in "sealing in" resin. In addition, the presence of knots is often highlighted, and adhesion of coatings can be impaired.

When filling, be sure to use fillers specifically designed for use with timber. General or all purpose fillers are not suitable, particularly on external areas, as they cannot cope with timber movement and work loose.

Only use non-rusting screws, nails and fixings.

NEW TIMBER

Degrease any exposed bare timber surface by wiping with a cloth dampened with methylated spirits. Certain timber species contain high levels of natural wood extractives or exudates and some softwoods can be highly resinous. Resinous deposits should be removed with a scraper. Any remaining residues should be removed using a lint-free cloth dampened with methylated spirits, frequently changing the face of the cloth. Allow solvent to evaporate fully before overcoating. The use of both eye and hand protection is strongly advised.

EXISTING COATINGS

For maintenance of other varnishes, or for coatings in a less sound condition, any loose, flaking coating should be removed by use of a scraper and abrasive paper. In damp areas (e.g. kitchens and bathrooms), mould or mildew may be evident. This must be eradicated using a suitable fungicide. Wash surfaces with water and a mild detergent to achieve a clean surface. Rinse thoroughly and allow to dry completely. Bare timber should be patch primed with one coat of **Polyurethane Varnish** in a similar shade to the existing finish, and brought forward with one or more coats of **Polyurethane Varnish**, in order to achieve an even, overall depth of colour. Apply a further coat of **Polyurethane Varnish** in the chosen shade as described in the Application section.

Coatings in a poor condition should be removed completely and the surface must be thoroughly sanded and then treated as "New timber".

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Application

CONDITIONS

Do not apply when air/substrate temperatures are below 8°C or above 25°C 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.

INITIAL PROCEDURE

Ensure product is thoroughly stirred before and during application, otherwise sheen and colour variations may be experienced. **Polyurethane Varnish** is supplied ready for use and does not require thinning.

APPLYING THE PRODUCT

For best results, use a good quality brush specifically designed for the application of water-borne products.

Three coats of **Polyurethane Varnish** should be applied, allowing a minimum of 2-4 hours drying time between coats. The product should be applied in a full flowing coat, laying off in the direction of the grain, using the minimum number of brushstrokes necessary to produce an acceptable finish. Avoid overbrushing, as this will produce brush marks and a poor quality finish.

The first coat should be carefully denibbed by hand using a fine grade nylon abrasive pad or a fine grade (P240 or finer) wet or dry silicon carbide abrasive paper, in the direction of the grain. Do not break through the surface coating. Remove all dust.

Subsequent coatings should be applied as soon as possible after the previous coat has dried, but no sooner than 2-4 hours.

CLEANING EQUIPMENT

Brushes and other equipment should be cleaned immediately after use with warm, soapy water, and then rinsed thoroughly with clean water. If spilled, **Polyurethane Varnish** may be removed immediately while still wet, using warm, soapy water.

STORAGE

The can should be resealed after use and stored tightly closed to prevent evaporation of the product and entry of air. Avoid the inclusion of a greater proportion of air to the product. It should be noted that even if there is a higher proportion of product to air in the container, once opened the shelf life of the product is unpredictable. Store in cool, dry, frost-free conditions.

AFTER CARE

Polyurethane Varnish treated surfaces may be cleaned by wiping down lightly with a lightly moistened cloth and then buffing with a dry cloth to restore the original sheen. The use of silicone-based polishes or wax is not recommended, as they tend to accumulate dirt and require complete removal before maintenance.

If maintenance becomes necessary, the surfaces should be lightly and evenly sanded by hand with a fine grade abrasive paper. If the timber has been stained, avoid sanding back to the underlying stain. Remove all sanding dust thoroughly and apply one or two coats of **Polyurethane Varnish.**

Relevant Standards

BS 6150: 1991 - 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.

Safety, Health and Environment

Sadolin is a brand of **Akzo Nobel Specialist Coatings**, a division of **Akzo Nobel Decorative Coatings** Limited. It is the policy of **Akzo Nobel Specialist Coatings** to provide the highest standard of safety, health and environmental advice and information.

To this end, material safety data sheets covering every **Akzo Nobel Specialist Coatings** product are supplied to our customers and are freely available to users on request, by contacting us on the number given below.

Removal of lead paint. Determine whether the paint concerned contains 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).

Removal of coatings (general). 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) protective equipment, as necessary.

The safety phrases on the containers and material safety data sheets should be read before using this product.

For more information on Sadolin products, or to order samples and literature please call our Technical Advice Centre on 01480 496 868 or visit www.sadolin.co.uk

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