

# PRODUCT DATA SHEET

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## RONSEAL ULTRA TOUGH CLEAR VARNISH

Ronseal Hardglaze, Ronseal Satincoat and Ronseal Mattcoat are polyurethane based varnishes for the decoration and protection of wood. The transparent finish enhances the natural beauty of wood whilst providing long lasting protection to all interior woodwork.

### INTRODUCTION

Ronseal Clear Varnish provides a clear finish which displays and highlights the natural beauty of wood. It is suitable for both soft and hardwoods as well as cork, untempered hardboard and chipboard in interior situations. Refer to 'IMPORTANT NOTES' for specific guidance.

Ronseal Clear Varnish forms a tough, durable seal by bonding together the fibres of the wood and is resistant to boiling water, alcohol, hot plates and household chemicals.

As the seal is flexible it is not likely to crack and flake under pressure. Ronseal Hardglaze provides a high gloss finish. The level of gloss is largely controlled by the number of coats applied and a three coat application will result in a high gloss finish on most woods. Ronseal Satincoat and Ronseal Mattcoat give an equivalent performance where a non-gloss finish is required.

### COMPOSITION

Ronseal Clear Varnish is a low viscosity, polyurethane based varnish in essentially aliphatic hydrocarbon solvent. Ronseal Clear Varnish contains no free isocyanates.

### PROPERTIES

Viscosity – Low viscosity.  
Odour – Characteristic solvent type.  
VOC Content – High (25-50% w/v).  
Immiscible with water.

Ronseal Clear Varnish conforms to the requirements of BS 5665:1989/EN 71:1988 Part III Safety of Toys Regulations – Specification for Migration of Certain Elements.

### FIELDS OF APPLICATION

Ronseal Clear Varnish may be used for interior applications on new softwood, hardwood, plywood, blockboard, particle board and cork, for example doors, window frames, skirtings, architraves and panelling.

Ronseal Clear Varnish is suitable for domestic floors, however Ronseal Heavy Duty and Diamond Hard Floor Varnishes are designed specifically for this purpose.

### APPLICATION PROCEDURE

#### Condition of Substrate before Treatment

Ronseal Clear Varnish should be applied only to clean, dry surfaces from which all traces of dust, oil, grease and wax polish have been removed.

If suitable sound coatings are present these should be abraded to give a satisfactory "key" and dust removed by vacuuming and wiping with a cloth dampened with white spirit before application.

As Ronseal Clear Varnish provides a transparent finish, any marks, blemishes or stains in the substrate will show after treatment.

Particular care should be taken when abrading timber, sanding should always be in the direction of the grain.

If the colour of unsealed wood is unsatisfactory this may be changed with Colron Wood Dye.

#### Brush Application

Always use a good quality, soft bristle brush. Ronseal Clear Varnish should be flowed on with the minimum brushing required to avoid runs. It has excellent flow, good wet edge time and is easily applied by brush under normal conditions.

#### Roller Application

Rollers can be used on large areas. For best results a good quality lamb's wool roller is recommended, finish off by a light brushing out.

#### Spray Application

For conventional spraying equipment with a nozzle giving a normal fan, no dilution with solvent is required. However, spray gun manufacturer's advice should be followed and dilution up to a maximum of 10% white spirit will achieve the required viscosity in most cases.

#### New Interior Woodwork

##### Preparation

Ensure the surface is clean and dry and abraded to a smooth surface. Joints, splits and other imperfections should be filled with a suitable wood filler, e.g. Ronseal Multi Purpose Wood Filler. Allow to harden and abrade to a smooth surface. Remove all particles of dust by vacuuming and/or wiping with a cloth dampened with white spirit.

Oily woods such as teak should be thoroughly washed with white spirit. Stir the varnish thoroughly before and during use.

#### Sealing

On close grained timber the first coat of Ronseal Clear Varnish is usually applied by brush but alternatively a cloth pad technique may be adopted. The use of a cloth pad may be advantageous in obtaining a higher degree of penetration and thus assisting adhesion. Dilution of the sealing coat is not normally recommended but thinning with up to 10% white spirit will improve penetration on very hard woods.

#### Finishing

Stir the varnish thoroughly. The application of a further 2 coats of Ronseal Clear Varnish is usually recommended after the sealing coat has been allowed to dry for at least 4 hours. It should be noted that low temperatures and poor ventilation will increase the recoating time.

If an extra fine finish is essential, lightly rub down between coats with either '000' grade steel wool or flour paper to remove dust particles, nibs etc. Remove dust by vacuuming and/or wiping over with a cloth dampened with white spirit. A tack cloth is a useful aid in achieving a perfect finish.

Grades of wet and dry abrasive paper recommended are:

240-300 dry; 320-400 wet, water as lubricant.

#### Treating Previously Varnished Surfaces

##### Preparation

If the varnish is in sound condition, clean down to remove dirt, grease, oil and wax polish. Remove any poorly adhering or defective varnish by scraping back to a firm edge. Make good any cracks or imperfections with a suitable wood filler, such as Ronseal Multi Purpose Wood Filler.

If the existing varnish is in poor condition, remove it completely and treat as described under 'New Interior Woodwork'.

#### Sealing and Finishing

As given under 'New Interior Woodwork'.

#### COVERAGE

Up to 16 m<sup>2</sup> per litre for initial coats and 24 m<sup>2</sup> per litre for subsequent coats. Coverage will vary depending on absorbency of the substrate.

## DRYING TIME

Ronseal Clear Varnish is tack-free in about 2 hours. Drying times may vary according to prevailing temperatures, humidity levels and the substrate.

Recoat time is 4 hours minimum.

## CLEANING OF TOOLS

All equipment should be cleaned immediately after use with white spirit.

Remove as much product from brushes and equipment prior to cleaning.

## MAINTENANCE

Normal cleaning is usually the only requirement.

## REPAIR

Damaged areas can be repaired by local applications of Ronseal Clear Varnish and additional full coatings can be applied after long periods of use. Promote adhesion for repairs or additional coats by light abrasion.

## IMPORTANT NOTES

This product contains no added lead. However, wooden and metal surfaces particularly in pre-1960 buildings may have previously been treated with paint containing lead pigments. Special care must be taken when sanding or stripping. Professional decorators should carry out a COSHH assessment before any work is carried out. For further information consult our Technical Services Department.

Avoid the inhalation of sanding dust, wear a suitable mask or employ wet sanding techniques.

There are certain surfaces to which Ronseal Clear Varnish and other varnishes will not adhere satisfactorily. The most common is oil tempered hardboard, and factory pre-sealed cork tiles.

The oil based formulation of Ronseal Clear may have a darkening or mellowing effect. Different woods give varying end results. Always pre-test for suitability on a small, inconspicuous area, prior to use.

Tropical timbers such as lignum vitae, rosewood, cocus wood, iroko, apitong and keruing also have surface characteristics which can result in poor adhesion of varnish. Teak is a variable wood, some samples will not accept a varnish whilst others can be treated satisfactorily.

In general, oil bound woods may retard the drying time and prevent adequate adhesion. Washing the surface thoroughly with white spirit is advised when treating oil bound woods.

When applying Ronseal Clear Varnish to an unfamiliar piece of timber always carry out a test on an inconspicuous area first. Apply two coats of Ronseal thinly at a 4-6 hour interval and allow the last coat to harden for 48 hours. Draw the edge of a coin across the surface. If the film scratches easily and flakes off do not treat the remaining areas.

Do not use Ronseal Clear Varnish on plastic type materials.

## STORAGE

Store in a cool, dry, well ventilated place away from heat and sources of ignition.

Carefully reseal partly used containers.

To avoid the risk of spillage always store and transport in a secure upright position.

The shelf life of the product in airtight containers is at least 5 years. Always pour any product remaining into correctly labelled smaller tins leaving little air space above the liquid.

## HEALTH AND SAFETY

Observe and follow all warnings and instructions for use shown on the pack.

Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of water.

Repeated exposure may cause skin dryness or cracking.

If swallowed seek medical advice immediately and show this container or label.

Ensure maximum ventilation during application and drying.

When applying to large interior surface or in confined spaces, wear a face mask which is designed to prevent inhalation of solvent vapours.

Specific health and safety data sheets are available on request.

## FLAMMABILITY

Flash point above 41°C. Flammable.

Keep away from sources of ignition. No smoking.

Certain textiles saturated with this product are liable to spontaneous combustion on drying, particularly if stacked or compressed.

## SUPPLY

Obtainable from DIY retailers, paint suppliers and builders merchants.

## SIZES

250 ml, 500 ml, 1 litre, 2.5 litre and 5 litre resealable containers.

## DISPOSAL

Certain local authorities have special facilities for the disposal of waste paint/varnishes.

Do not empty product into drains or watercourses.

## LIABILITY

Whilst these specifications are based on expert technical knowledge and practical experience, we cannot assume responsibility

for any work as the ultimate result depends on factors beyond our direct control. Standard codes of painting practice should be followed.

## INFORMATION AND SERVICE

Our Technical Services Department will be pleased to offer specific guidance or provide any further information you may require.

## DATA SHEETS

Data sheets on other Ronseal products are available on request from our Technical Services Department.

Ronseal Ltd. has been registered to BS EN ISO 9000 1994 (Registered Firm No. FM 1669/1).

Ronseal Ltd. operate an Environmental Management System that complies with the requirements of BS 7750:1994, Certificate No. EMS 35924.

Ronseal Ltd. has achieved Investors in People certification (certificate number 59586).

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