

PRODUCT DATA SHEET

No. 11093

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RONSEAL CONTRACTOR WATER-BORNE FLOOR SEAL

Water-Borne Floor Seal is a one component polyurethane acrylate dispersion formulated for the treatment of wooden floors. Water-Borne Floor Seal is suitable for floors subject to domestic and light commercial use. Water-Borne Floor Seal is part of the Ronseal Contractor range.

INTRODUCTION

Water-Borne Floor Seal is a single pack, technically advanced high build finish which provides long term protection, whilst highlighting the natural beauty of wooden floors. Water-Borne Floor Seal is suitable for use on softwood and hardwood as well as cork, chipboard and most wood composition flooring. It can be used on new and previously sealed (but not pre-finished) floors after suitable preparation.

Water-Borne Floor Seal is fast drying, has excellent abrasion and chemical resistance, whilst being low odour and resistant to yellowing. Water-Borne Floor Seal is available in a clear silk finish.

COMPOSITION

Ronseal Water-Borne Floor Seal is a polyurethane acrylate dispersion.

PROPERTIES

Viscosity – Low
Odour – Low, typical acrylic
VOC Content – Medium (8-24.99% w/v)
Solubility - Miscible with water
Flash Point - >61°C

FIELDS OF APPLICATION

Ronseal Water-Borne Floor Seal is recommended for use on most interior flooring materials, such as hardwood, strip block and mosaic flooring and softwood boarding, as well as cork, untempered hardboard, chipboard and wood compositions. It may also be used on previously sealed wooden floors after suitable preparation.

Ronseal Water-Borne Floor Seal is suitable for use on domestic floor and commercial floors subject to light wear.

PREPARATION

Condition Of Substrate Before Treatment

Ronseal Water-Borne Floor Seal should only be applied to clean, dry substrates free from dust, dirt, wax, maintenance product residue, grease or anything that will inhibit good adhesion. Oily hardwoods and knots should be cleaned with a 'sharp' solvent. The use of knotting solution under Water-Borne Floor Seal is not recommended.

As Ronseal Water-Borne Floor Seal provides a transparent finish any marks, blemishes or stains will be apparent after treatment.

Do not use wire wool for surface preparation.

Untreated Floors

Punch in all nails and fill holes with an appropriate shade of Ronseal Multi-Purpose Woodfiller. Thoroughly sand the floor with a machine sander in the direction of the grain, back to clean, bright wood. Wood block floors should be sanded twice in two directions at right angles to each other. Avoid inhaling dust by wearing a suitable facemask. 120 grade sandpaper should be used for final sanding. Round off any sharp edges. Repair any surface defects with Ronseal Multi-Purpose Wood Filler and sand smooth.

Allow dust to settle and remove by vacuuming. Wipe over with a 'sharp' solvent and allow to dry thoroughly.

To colour floors prior to sealing, use Ronseal Floor Dye available in a range of natural wood shades. Refer to the relevant product data sheets.

Previously Varnished Floors

Ensure that the surface is clean and free from wax, polish or other contaminants. Thoroughly abrade to form a key using 120 grade sandpaper or wet and dry paper. Avoid inhaling dust by wearing a suitable facemask. Remove dust by vacuuming and wipe over with a 'sharp' solvent and allow to dry. Varnish in poor condition should be completely removed.

Test a small area first for coating adhesion and/or compatibility prior to treating the whole floor.

APPLICATION

Thoroughly shake container and allow to settle for a few minutes before use. Apply in warm, well ventilated conditions, do not apply below 10°C.

Apply as directed (see table below).

Use a lamb's wool or synthetic applicator or roller. Do not thin. Avoid over rigorous application.

To ensure good coverage use the applicator to spread the seal evenly and smoothly over the floor, taking care to avoid ponding or excessively thick areas of seal. If required the seal may be lightly sanded between coats.

Prior to application of the final coat, lightly de-nib with an appropriate grade abrasive paper, remove dust by vacuuming.

Always check adhesion prior to application by applying to a small test area.

Type Of Floor	Domestic Use	Light Commercial Use
New, Unfinished Floors Previously Sealed or Varnished floors	Domestic floors, except kitchens and playrooms	Domestic Playrooms and kitchens, offices and conference rooms
	2 to 3 coats	3 coats
	1 coat	2 coats

COVERAGE

10-12m²/litre/coat.

Coverage will vary dependent upon the porosity of the substrate. Apply in accordance with the coverage guidelines or performance will be impaired.

COATING STANDARDS

Recommended film thickness per coat:

Wet: 80-100 microns.
Dry: 25-31 microns.

Check thickness with a wet film gauge immediately after the application

Total dry film thickness:

Domestic use: 50-62 microns.
Light Commercial use: 75-93 microns.

The above is a desirable practical figure for Ronseal Contractor Water-Borne Floor Seal.

DRYING TIME

Dry time: 1-2 hours
Recoat: 2 hours.
Light Traffic: 8 hours.
Full Use: 3 Days.

Times quoted at 20°C. Do not use below 10°C.

Insufficient ventilation, excessive humidity, low temperatures and the use of protective coverings (e.g. polythene sheeting) may adversely extend or effect the drying/curing process.

Treated surfaces should be protected from water, steam and spillages for a minimum of 5 days.

CLEANING OF TOOLS

All tools and equipment should be cleaned immediately after use by washing in water and detergent.

Remove as much product as possible from tools and equipment before washing.

MAINTENANCE

It is suggested that entrance matting is specified in all areas where access is possible from outside the building. These should be designed to remove grit, dirt and moisture and be of sufficient size to ensure that several strides must be taken before reaching the

wooden floor. The mats must be cleaned, maintained or replaced as part of an ongoing maintenance programme.

Commercial Floors

Dust/grit should be removed on a daily basis using a vacuum cleaner, scissor mop or other dry cleaning method. A machine based cleaning system using either a scrubber/dryer or a spray buff system is the most suitable method for cleaning large floors or those subject to high traffic levels. It should be noted however that excessive use of very aggressive pads may dull the seal or physically damage the surface.

The effectiveness of the cleaning process must be closely monitored in the early stages and adjustments made to the frequency and type of cleaning to ensure that the floor is being adequately maintained.

Black heel marks from shoes or other sources occasionally may not be removed by normal cleaning regime. These may be removed by rubbing with a cloth dampened with white spirit.

Domestic Floors

Domestic floors should be cleaned regularly using dry cleaning methods such as a vacuum cleaner or soft broom. Keep the amount of moisture used on the floor to a minimum by ensuring the cloths and mops are only lightly dampened.

REFURBISHMENT

The floor should be examined on a regular basis for signs of wear. Once the surface has worn to an unacceptable level the floor should be cleaned, lightly sanded and vacuumed. 1 to 2 coats of Ronseal Water-Borne Floor Seal should then be applied as appropriate.

IMPORTANT NOTES

Ronseal Water-Borne Floor Seal is formulated to provide a clear, transparent finish with minimal yellowing to the wood and will have minimal effect on the colour of the substrate. Always pre-test on a small area first to confirm acceptability.

Ronseal Water-Borne Floor Seal is designed to flex with the wood to prevent cracking and peeling. It will not harden softwoods or prevent surface indentations.

Certain tropical hardwoods have surface characteristics, which may prevent full absorption of the seal. In general, oil bound woods may prevent adequate adhesion. Washing the surface thoroughly with white spirit, drying thoroughly and pre-testing the varnish on a small area is recommended.

Dispose of sanding dust safely and store outside.

To prevent iron staining do not use wire wool for surface preparation.

Do not apply if the room temperature is below 10°C during application and drying or in conditions of high humidity.

Do not use on surfaces treated with other types of varnish unless they have aged for at least one month.

Do not pour unused seal back into the container after use as it may be contaminated with dirt.

Wipe up any spillage as soon as possible.

For 8 days after application the use of detergents, polish and other maintenance products should be avoided. Very heavy furniture may mark the floor surface during this time.

Do not cover with rugs or carpets for 8 days.

Treated surfaces should be protected from water, steam and spillages for a minimum of 5 days.

Remove strong acids/alkalis and paints from the film immediately.

When applying Ronseal Water-Borne Floor Seal to pre-varnished flooring ensure adequate drying and adhesion by pre-testing on a small area before general treatment.

Ronseal Water-Borne Floor Seal cannot prevent movement due to loss of moisture from wooden floor caused by surrounding conditions. New floors should be laid in accordance with the requirements of BS8201:1987 and the manufacturer's instructions. Care must be taken to ensure the floor is at the correct moisture content (not exceeding 16%) and acclimatised to the surrounding environment.

STORAGE

Store in a cool, dry, well ventilated place away from heat and sources of ignition. Carefully reseal partly used containers. Do not store near foodstuffs.

Protect from frost.

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

The shelf life of the product in airtight containers is at least two years.

HEALTH AND SAFETY

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

Avoid contact with skin and eyes.

Keep out of reach of children.

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.

Wear suitable gloves.

Use only in well ventilated areas.

Avoid inhalation of dust during preparation by wearing an appropriate facemask.

Specific health and safety data sheets are available for the professional user on request.

FLAMMABILITY

Non-flammable.
Flash point above 61°C.

SUPPLY

Obtainable from contract flooring suppliers and builders and decorators merchants.

SIZES

Available in a 5 litre container.

DISPOSAL

Some local authorities have special facilities for disposal of waste paints/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 Trade Technical Advisory Service 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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