

# PRODUCT DATA SHEET

No. 95001

FEBRUARY 2004

## RONSEAL CONTRACTOR HIGH TRAFFIC 2 PACK FLOOR SEAL

High Traffic Floor Seal is a 100% polyurethane two pack seal formulated for the treatment of high traffic commercial wooden floors. High Traffic Floor Seal exhibits quick drying, recoat and hardness build up times whilst having excellent scratch, chemical and black heel mark resistance. High Traffic Floor Seal is part of the Ronseal Contractor range.

### INTRODUCTION

Ronseal High Traffic Floor Seal is a two pack, water-borne polyurethane, duro-elastic formulation for high traffic commercial wooden floors. High Traffic Floor Seal is a 100% polyurethane formulation that gives rapid drying, recoat and hardness build up.

High Traffic Floor Seal has excellent scratch, chemical and black heel mark resistance, while being low odour and non-yellowing. Ronseal High Traffic Floor Seal is available in clear gloss, silk and matt finishes.

Ronseal High Traffic Floor Seal conforms to BS7044 (Part4) 1991.

### COMPOSITION

Ronseal High Traffic Floor Seal is an aliphatic polyurethane dispersion based on renewable sources.

### PROPERTIES

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

### FIELDS OF APPLICATION

Ronseal High Traffic 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.

### PREPARATION

#### Condition Of Substrate Before Treatment

Ronseal High Traffic 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 High Traffic Floor Seal is not recommended.

As Ronseal High Traffic 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 or Colron Wood 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

Pour the High Traffic Hardener into a bottle containing High Traffic Floor Seal at a mix ratio of 1 part (450ml) hardener to 9 parts (4.5litres) seal. Shake thoroughly and allow to settle for 10 minutes prior to application.

Do not use previously mixed seal. Do not mix in a tray. Once mixed the seal has a 5 hour pot life. High temperatures may reduce pot life.

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.

Plan work to ensure it is within the pot life of the product (5 hours).

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.

For new work or for floors where there is a risk of side-bonding, e.g. end grain floors, softwood plank floors and hardwood floors with

under-floor heating, it is recommended that Ronseal Contractor Quick Prime is used for the initial application. Refer to the relevant data sheet.

Type of Floor	Light (Domestic) Use	Heavy (Office) Use	Very Heavy (Sports/Shop) Use
	Domestic floors, except kitchens and playrooms	Playrooms, offices, conference rooms, light athletics floors	Canteens, kitchens, restaurants, dance floors, exhibition halls, shops, corridors, public meeting areas
New untreated floors, old floors sanded to bare wood, stained floors	1 Coat Primer + 1 Coat High Traffic	1 Coat Primer + 2 Coats of High Traffic	1 Coat Primer + 2 to 3 Coats of High Traffic
Previously varnished floors, floors where old finish has not been removed	1 Coat	1 to 2 Coats	2 Coats

#### COVERAGE

10-12m<sup>2</sup>/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: 26-32 microns.

Check thickness with a wet film gauge immediately after the application.

*Total dry film thickness (new work):*

Light use: 29 microns.  
Heavy use: 58 microns.  
Very heavy use: 87 microns.

The above is a desirable practical figure for Ronseal Contractor High Traffic Floor Seal.

#### DRYING TIME

Dry time: 1 hour.  
Recoat: 2 hours.  
Light Traffic: 8 hours.  
Heavy Traffic: 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.

Allow 12 hours before heavy traffic. Protect from water for 12 hours.

#### 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 High Traffic Floor Seal should then be applied as appropriate.

#### IMPORTANT NOTES

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

Ronseal High Traffic 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 carpets or rugs for 7 days.

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

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

Ronseal High Traffic 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.

##### *High Traffic 2 Pack Floor Seal:*

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.

##### *High Traffic Hardener:*

Irritant.

May cause sensitisation by skin contact.

Contains isocyanates. See information supplied by the manufacturer.

Avoid contact with skin. Wear suitable gloves.  
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.

This material and its container must be disposed of as hazardous waste.

For use only with Ronseal High Traffic Floor Seal.

#### *General:*

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 4.5litre container with 500ml of Hardener.

#### 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

Ronseal 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).

### ©RONSEAL LTD.,

Thorncliffe Park,  
Chapelton,  
Sheffield.  
S35 2YP

Tel: 0800 587 0555

Fax: 0114 245 5629

E. Mail: [trade@ronseal.co.uk](mailto:trade@ronseal.co.uk)

Website: [www.ronsealcontractor.co.uk](http://www.ronsealcontractor.co.uk)

Ronseal is a registered trademark of the Sherwin Williams Company.

FERUARY 2004. ISSUE 1