

# Resicote SF

Resicote SF is a 2 component, solvent free epoxy coatings for concrete floors

It is used generally as a hard, durable, abrasion resistance floor seal and coating particularly in areas where a high chemical resistance is required.

Resicote SF is applied in 2 coats to a prepared concrete substrate.

Supplied in a full range of colours and with a gloss finish.



## Benefits

- Abrasion resistant
- Chemical resistant
- High build
- Hygienic
- Solvent free/environmentally friendly
- Odour free
- Easy to apply, using brush or roller

## Areas of use

- Factories
- Warehouses
- Plant rooms
- Garages
- Aircraft hangars
- Fork lift areas

## Potlife

30 min @ 20°C

## Coverage

4-5m<sup>2</sup>/kg  
Average film thickness 200microns

## Cure

Touch dry 8 hour @ 20°C  
Primary cure 24 hours @ 20°C  
Full cure (Chemical resistance) 7 days @ 20°C

Both coverage and cure depend on ambient and surface temperatures, the type and condition of the substrate, between 8°C and 28°C. For application onto steep sloping surfaces contact Optus

## Chemical resistance

Resicote SF exhibits excellent resistance to a wide range of chemicals, and is fully resistant to the following:

- 10% Sulphuric Acid
- 10% Hydrochloric Acid
- Xylene
- Petrol
- Skydrol
- 20% Sodium Hydroxide
- Ethylene Glycol
- Methyl Ethyl Ketone
- Trichlorethylene

For resistance to specific chemicals please contact Optus

## Packaging

5kg & 10kg



# Resicote SF

## Surface preparation

Concrete substrates must be at least 28 days old and be clean, dry, sound and free of laitance, oil, grease and any other surface contamination which could impair adhesion.

Existing floor areas will require mechanical abrasion to reveal clean concrete. Enclosed vacuum blasting equipment or vonarx type scabblers should be used.

Any areas which have been contaminated with oil or grease should be treated with hot compressed air blasting equipment. This will drive out any deep-seated contamination.

Any areas of damaged concrete should be broken out and reinstated. For small areas of thin section repairs - less than 10mm in depth - an epoxy resin repair mortar should be used. For larger areas thicker section repairs a polymer reinforced cementitious repair mortar should be used.

Any cracks in the substrate in excess of 1mm wide should be chased out to a minimum width and depth of 5mm and repaired with an epoxy resin mortar. Finer cracks do not normally require pre-treatment as they can be flooded with Resicote SF.

Any existing floor coatings which are not soundly bonded to the substrate must be removed prior to the application of Resicote SF. Adhesion tests should be carried out to ensure compatibility.

For newly laid concrete substrates which have been allowed to cure for the minimum 28 days, a light pass with enclosed vacuum blasting equipment is required. This is will lightly texture the substrate and ensure that all laitance and the remnants of any curing membranes are removed.

Any flexible joints within the concrete substrates should be protected with masking tape. The perimeters of the area being treated, along with any grids, drains, etc. should be protected with masking tape.

Immediately prior to the application of the primer, the concrete substrate should be thoroughly vacuumed to remove all dust and other deleterious matter.

## Primer

A primer is not always required prior to the application of Resicote SF. However, when coating porous concrete an initial application of Resicote Primer CS can be beneficial.

The information given in this product, technical and application data sheet is given in good faith, based on current knowledge and experience but we have no control over the quality or the conditions of the substrate or the many differing factors affecting the use and application of the product. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate as of the date indicated. It is the user's responsibility to satisfy themselves as to the suitability and application of such information for their own use.

## Application

Resicote SF is supplied in pre-weighed packages.

Mix the contents of pack B using a mechanical paint stirrer ensuring the contents are evenly dispersed. Add pack A (curing agent) and mix with the mechanical paint stirrer for 60 seconds. Apply immediately to the fully prepared substrate by brush or roller.

When a high degree of slip resistance is required, the wet Resicote SF should be completely blinded with the 60 mesh high friction grit so that none of the Resicote SF remains exposed. (A reduced scatter of grit can be applied if required).

At an ambient temperature of 20°C, the aggregate must be applied within two hours of the Resicote SF being applied and any excess swept up and removed after approximately eight hours.

Care should be taken to remove all excess aggregate. This will leave a residual aggregate loading of approximately 1kg/m<sup>2</sup>.

The second coat of Resicote SF should then be mixed and applied in an identical manner to the first, except the coverage will be less.

When the application of an aggregate dressing is not required, the 2nd coat of Resicote SF should be applied as soon as is practical after the first coat has cured tack-free.

In order to optimise inter-coat adhesion, no more than 24 hours should be allowed between coats.

At an ambient temperature of 20°C, Resicote SF may be lightly trafficked after 24 hours, with 48 hours being required prior to heavier trafficking.

## Shelf Life

12 month unopened

## Storage

Recommended temperature range for storage, transport and application is: 5°C and 28°C.

## Cleaning

Safesolve should be used for cleaning tools, etc.

## Health and Safety

Gloves, overalls and barrier cream should be used when working with Resicote SF. For full details please refer to the appropriate Health and Safety Data Sheet.