

Resicote *SF* Technical Data

DESCRIPTION:

A two component system, solvent free epoxy resin floor coating.

APPLICATION PROCEDURE

Surface Preparation

CONCRETE

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 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.

Priming

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.

Mixing and application

The minimum application temperature is 10°C.

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/m².

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.

COVERAGE & CURE

The coverage rate of Resicote SF is dependent upon the texture and porosity of the substrate but should fall in the range of 4-5m²/litre/coat (this falls to between 3 and 4m²/litre when applied to high friction grit).

- Pot Life (20°C) - 30 minutes
- Touch Dry (20°C) - 8 hours
- Primary Cure (20°C) - 24 hours
- Full cure (20°C) - 7 days
- Average Film Thickness Per Coat - 200 microns

Please note that cure times increase considerably at lower temperatures.

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 other chemicals please contact Optus.

COLOURS

Range of BS and RAL colours available.

PACKAGING

Supplied in 5l and 3l plastic pots.

STORAGE

In sealed containers between 5°C and 30°C.

CLEANING

Tools can be cleaned with a suitable hydrocarbon solvent provided initial cure of resins has not taken place.

HEALTH AND SAFETY

It is recommended that barrier cream, gloves and overalls be worn when using Resicote SF. For full details please refer to the appropriate health and safety data sheets.



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