

Resicote *WB* Technical Data

DESCRIPTION

A two component, water based epoxy coating for concrete floors.

APPLICATION PROCEDURE

Ambient temperature should be between 8⁰C and 30⁰C during application and cure. Dry weather conditions and a dry substrate are essential.

For low temperature application or application onto a steeply sloping surface refer to manufacturer.

Substrate 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 require mechanical abrasion to reveal clean concrete. Enclosed vacuum blasting equipment or equivalent 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 area 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 WB resin coating.

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

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 or any curing membranes are removed.

Any flexible joints within the concrete substrate 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.

Mixing and application

It is essential that all of the curing agent, pack A, is added to all of the resin component, pack B, and mixed for sixty seconds using a mechanical paint stirrer. The coating is applied to the prepared floor using a roller or brush.

Resicote WB is normally applied as a three coat system, with the second and third coats being applied as soon as possible after the previous coats have cured to a tack-free finish.

In order to optimise inter-coat adhesion, the time lapse between subsequent coatings must not be allowed to exceed 24 hours. Should this occur, the coating will require light abrading and degreasing.

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

As soon as the final application has cured sufficiently to accept light trafficking all masking tape should be removed.

COVERAGE & CURE

The coverage rate of Resicote WB is dependent upon the texture and porosity of the substrate but should fall in the range of 6-8m²/kg/coat.

- Pot Life - 2 hours
- Touch Dry (20°C) - 4 hours
- Primary Cure (20°C) - 12 hours
- Full cure (20°C) - 7 days
- Average Film Thickness Per Coat - 50 microns

Please note that cure times increase considerably at lower temperatures.

CHEMICAL RESISTANCE

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

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

For resistance to specific chemicals please contact Optus.

COLOURS

Range of BS and RAL colours are available.

PACKAGING

3 and 5l plastic pots.

STORAGE

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

CLEANING

Tools can be cleaned with water 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 WB. For full details please refer to the appropriate health and safety data sheets.



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