

Description

Resbuild Floorseal is a two pack, solvented Epoxy resin, which penetrates into the pore structure of concrete or masonry to leave a sealed, surface-hardened, dust proof finish with greatly increased chemical resistance.

The material is easy to mix and apply, and is supplied in a convenient 1:1 volume mix ratio.

Resbuild Floorseal cures in a two stage operation:

- physical drying i.e. evaporation of the solvent, followed by,
- a chemical reaction between the active ingredients of the Base and Curing Agent components

Typical Uses

As a sealer and surface hardener for cementitious systems in factories, garages, engineering workshops, abattoirs, dairies, etc., and on external slabs subjected to weathering and heavy traffic.

Advantages

- Penetrates deeply (typically 6-9mm)
- Dust-proofs and surface hardens floors
- Seals against ingress of water, chemicals, etc
- Enhances abrasion resistance
- 1:1 Volume mix
- Long pot life
- Fast Drying
- Taint free after application
- Provides easy to clean surfaces
- Suitable for external application

Typical Properties

Pot life @ 20C: 6 hours

Colours: Pale Straw (colourless after application).

Application Temperatures minimum 3°C
 maximum 35°C

Packaging

Resbuild Floorseal is supplied in 10L, 50L and 400L packs.

Procedure**Surface Preparation**

Concrete surfaces shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%. Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc. The floor shall be allowed to dry out thoroughly prior to application of Resbuild Floorseal

Mixing

Resbuild Floorseal consists of two components: a BASE and a CURING AGENT, which are mixed together in equal volumes, i.e. part packs may be mixed as long as the 1:1 ratio is observed.

NB: replace the screw caps on the BASE and CURING AGENT containers after use to prevent solvent evaporation.

Mix the components thoroughly, ensuring an homogeneous blend has been achieved.

Application

Resbuild Floorseal shall be poured on to the prepared surface and spread using a soft brush or squeegee, taking care to avoid the presence of puddles of material on the surface.

As much sealer shall be applied as the surface will absorb without the appearance of superfluous material on the surface.

The precise application rate is dependent upon the porosity and texture of the substrate.

NB: Prior to the commencement of large area applications, it is strongly recommended that a small test area is completed first, in order to determine the correct rate of application required for the particular surface to be treated.

Allow the first coat to dry/cure for 12-24 hours prior to the application of a second coat

A two coat treatment is usually sufficient for good quality, dense concrete. However, a third coat may be necessary on particularly porous and absorbent substrates

Equipment Cleaning

Clean equipment with Resbuild Toolclean immediately after use.

Curing

Ensure good ventilation at all times.

Light foot traffic may be allowed on the day following application.

Allow 2 days cure prior to full trafficking.

7 days cure @ 20C will be necessary to achieve optimum chemical resistance.

Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.

Resbuild Floorseal has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Coverage

Typical dense, power-floated concrete:

overall rate = 4-6m²/litre,

i.e. 6-10m²/litre first coat, and 12-15m² second coat.

Consumption will be higher with porous concrete substrates.

Limitations

Do not apply to wet or uncured concrete surfaces.

Do not apply at temperatures of 3°C or less.

In poorly ventilated areas forced extraction must be provided.

Resbuild Floorseal will taint foodstuffs during application.

The material is flammable during application, so a spark free environment must be observed.

Health and Safety

Avoid contact of the material with skin and eyes.

Wear gloves and goggles

Wash off splashes immediately with soap and water.

Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information

Resbuild Floorseal shall be applied strictly in accordance with the manufacturer's instructions

For specific advice regarding any aspect of this product, please consult our Technical Department.

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on Resin Building Products Limited current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard terms and conditions of sale (available upon request).