

Description

Resbuild Cureseal is a single pack, solvent-borne, clear Acrylic resin based curing compound, surface sealer and dust proofer for concrete.

When applied to freshly placed concrete, Resbuild Cureseal functions as a curing membrane, reducing any tendency towards drying shrinkage cracks.

At the same time the surface becomes sealed against the ingress of oils and many aqueous chemicals, and a harder wearing floor is produced.

When applied to old/aged concrete floors, Resbuild Cureseal penetrates into the pore structure thereby sealing and dust proofing the surface.

Having excellent adhesion to concrete, Resbuild Cureseal allows the application of subsequent paint/coating treatments, thereby minimising surface preparation requirements.

Typical Uses

As a curing/sealing treatment to new concrete.

As a sealing/dust proofing treatment to old concrete.

As a primer/sealer for subsequent top coats.

Examples: Industrial workshops, car parks, warehouses, food preparation areas and garages.

Advantages

- Easily applied by brush, roller or spray
- High curing efficiency (>75%)
- Good chemical and abrasion resistance
- Seals and dust proofs the surface
- Compatible with most subsequent finishes
- Provides easily cleanable floor surface
- Internal and external use
- Resistant to ultra violet radiation
- Single pack – ready to use

Typical Properties

Appearance: Pale straw coloured liquid with characteristic odour

S.G.: 0.910g/cm³

Drying time @ 20°C:

Tack free 2-4 hours

Hard dry 16-24 hours

Flash point: 28°C

Curing efficiency: >75% (ASTM309-74).

Chemical resistance: Resistant to spillages of dilute mineral acids, caustic alkali solutions, vegetable oils, de-icing salts, etc.

Packaging

Resbuild Cureseal is supplied in 25L packs.

Procedure**Surface Preparation**

- Old concrete** shall be sound and free from oil, grease, laitance and other contaminants. Previously applied paint or curing membrane must be removed. Wash the floor with a detergent solution followed by a clean water wash, and then allow to dry prior to sealer application.
- New concrete.** Resbuild Cureseal may be applied 15 minutes after the final power float or brush finish.

Application

- **Old concrete.** Apply a coat of Resbuild Cureseal by brush, roller, squeegee or spray at a nominal rate of 8-9m²/litre. Avoid the formation of puddles of excess material. After a minimum period of 16 hours a second coat shall be applied at a rate of 11-12m²/litre NOTE: On very porous substrates a third coat may be necessary
- **New concrete.** Apply Resbuild Cureseal by spray at a nominal rate of 5m²/litre. Ensure that the material is applied evenly and avoid the formation of puddles of excess material on the surface. In hot and/or windy conditions, a second coat of Resbuild Cureseal should be applied the following day at a nominal rate of 8-10m²/litre

Equipment Cleaning

Clean equipment with Resbuild Toolclean 'X' prior to curing of the coating.

Curing

Resbuild Cureseal will be tack free in 2-4 hours and hard dry after 16-24 hours in conditions of good ventilation.

Coverage

Coverage is very much dependent on the porosity of the substrate.

- a. **New concrete.** Typical application rate is 5m²/l (one coat): a second coat is recommended under fast drying ambient conditions.
- b. **Old concrete.** For smooth, power floated concrete, the typical application rate is: 8-9m²/l (1st coat) 11-12m²/l (2nd coat) i.e. overall rate = 4.6-5.1m²/l(two coats)

If a slip resistant finish is required, incorporate Resbuild Texturing Additive and apply only 1 coat of Resbuild Cureseal at a rate of 5m²/litre. Textured and tamped finishes reduce the coverage rate achieved.

NB. It is strongly recommended that a small test application be carried out to determine the precise coverage rate for each specific job, prior to any large scale application being started.

Storage and Shelf Life

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

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

Limitations

Apply only in well ventilated areas.

Do not apply in areas where foodstuffs are stored during application.

Do not apply externally if rain is likely during application or within 6 hours thereafter.

Health and Safety

Resbuild Cureseal is a flammable material (flash point = 28°C)

Avoid contact of the material with skin and eyes.

Provide good ventilation during application and wear suitable organic vapour respirators.

Please refer to Material Safety Data Sheet for additional information

Resbuild Cureseal 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).