

Description

Resbuild SL Deckcoat is a three pack slurry, consisting of equal volumes of Epoxy Resin **BASE** and Flexibilised Amine **CURING AGENT** components, together with graded **FILLER**.

The mixed material provides a waterproof, flexible, abrasion resistant, and seamless wearing surface, to which slip resistant or skid resistant characteristics can be conferred by the broadcasting of an appropriate aggregate. Resbuild SL Deckcoat may be applied to concrete or steel surfaces.

Typical Uses

Footbridges, ramps, loading bays, roadways, wet working environments, car parks, etc..

Advantages

- Slip resistant/skid resistant finish
- Excellent resistance to water and chemicals
- Flexible
- Extremely durable and hard wearing
- Very good adhesion to concrete and steel surfaces
- Coloured finish (range)
- Suitable for vehicular traffic

Typical Properties

Colour: BS or RAL colours available on request.

Pot Life: 40 minutes @ 20°C

Walk on time: 12 hours @ 20°C

Cure time before vehicular traffic: 24 hours @ 20°C

Time before immersion: 1 day @ 20°C

Full chemical resistance: 7 days @ 20°C

Temperature range during application: 3°C to 40°C

Temperature range in service: -20°C to 60°C

Packaging

Resbuild SL Deckcoat is supplied in 30kg packs

Procedure

Surface Preparation

All surfaces shall be sound, clean, and free from dust, grease, scale, and other contaminants.

a. **New concrete** shall be a minimum of 21 days old and or/ have a residual moisture content of <6%. Laitance shall be removed, preferable by mechanical means such as grit blasting. Any honeycombing or blow holes shall be filled using Resbuild EPA mortar, Resbuild Floorpatch or even Resbuild SL Deckcoat itself.

b. **Steel** Substrates shall be grit blasted to a bright metal finish (Sa 2.5 minimum), and to provide a minimum 75 micron (medium) blast profile, removing all dust.

Priming

a. **Concrete** substrates – a coat of Resbuild WB Primer may be applied on porous surfaces at a nominal rate of 0.2kg/m² and allowed to dry/cure for a minimum of 1 hour prior to Resbuild SL Deckcoat application.

b. **Steel** substrates – No primer is required if the Resbuild SL Deckcoat application immediately follows preparation.

Mixing

Resbuild SL Deckcoat is supplied as a three component pack. Each component is pre-weighed and ready to mix. Pour the contents of the **CURING AGENT** container into the **BASE** container and mix thoroughly by spatula or low speed drill/stirrer.

The mixed resins shall be poured into a forced action mixing vessel, (Creteangle bucket or similar), and the **FILLER** added steadily whilst the mixer is in motion. Mix for 2-3 minutes until a uniform material is achieved.

Application

The mixed Resbuild SL Deckcoat shall be poured onto the prepared surface and spread out with a roller, a serrated trowel or steel float to the required thickness.

The material may be spiked rolled, as necessary, but this will not usually be required when an aggregate broadcast is to be made.

Where a slip/skid resistant finish is required, coloured Calcined Bauxite (Sight grip), Dynagrip, or other appropriate aggregate e.g. Quartz gravel, shall be broadcast at a nominal rate of 6-12kg/m², depending on slurry thickness. The following day excess aggregate shall be swept from the surface

Equipment Cleaning

Clean equipment with Resbuild Toolclean prior to curing.

Curing

The floor may be opened to light foot traffic after 12 hours cure @ 20°C, and to vehicular traffic following 24 hours cure @ 20°C.

NOTE: Lower ambient and substrate temperatures will result in extended curing times.

Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C. Avoid low temperature storage prior to use of the material. Do not expose to freezing conditions.

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

Coverage

A 30kg pack is sufficient to cover an area of 6m² at a thickness of 3mm.

NOTE: The thickness of the overall system will be dependent on the type and quantity of aggregate used to 'blind' the surface.

Limitations

Do not apply to wet or uncured concrete surfaces.
Do not apply at temperatures of 3°C or less.

Health and Safety

Wear gloves and goggles.

Wash off splashes immediately with soap and water.

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

Please refer to Material Safety Data Sheet for additional information.

Resbuild SL Deckcoat 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).