

### Description

Resbuild SL Screed A.S. is an Epoxy based self-smoothing system suitable for use in areas where a conducting floor, with a resistance of less than  $10^8$  ohms, is required as a measure to control static electricity. A hard wearing, impervious, seamless floor finish results, which is hygienic and easy to clean. Resbuild SL Screed A.S. is applied at a thickness of 2mm - 3mm over primed concrete and a high conductivity undercoat.

### Typical Uses

Electronics manufacture and assembly, hazardous chemical plants, clean room environments, hospital operating theatres, etc.

### Advantages

- Controls static electricity
- Hard wearing and durable
- Hygienic and easy to clean
- Very good chemical resistance
- Seamless finish
- Range of colours

### Typical Properties

Colours: Light grey, red (other colours can also be supplied).

Pot Life: 50 minutes @ 20°C

Compressive Strength: 60 MPa

Flexural Strength: 34 MPa

Chemical resistance: excellent resistance to a wide range of industrial chemicals, including 20% hydrochloric acid, 25% sulphuric acid, 20% sodium hydroxide, petrol, etc.

Cure time: 20°C 10°C

Foot traffic 24hr 36hr

Vehicular traffic 48hr 72hr

Abrasion resistance: 75mg weight loss per 1,000 cycles (CS17 wheels)

Surface resistance: less than  $10^8$  ohms (BS EN 1081-1998)

\* Please contact our Technical Department for specific advice

### Packaging

Resbuild SL Screed A.S. is supplied in 25kg packs.

### Procedure

#### **Surface Preparation**

All surfaces to be treated should be sound, clean, and free from dust, dirt, laitance, oil and other contaminants. All laitance must be removed by vacuum grit blasting ensuring that any residual dust is removed. New concrete surfaces should be a minimum of 21 days old and/or have residual moisture content below 6%.

#### **Priming and Undercoat**

Mix and apply Resbuild WB Primer, Fast Cure, at a nominal rate of 0.2kg/m<sup>2</sup> and allow to dry for a minimum of 1-2 hours.

Then apply a coat of Resbuild WB Coating A.S. at 0.25kg/m<sup>2</sup> and allow to cure overnight.

#### **Mixing**

Resbuild SL Screed A.S. is supplied as a three component product, each component being pre-weighed ready for use. The contents of the Curing Agent container should be drained into the Base component and the two materials thoroughly mixed. The mixed liquid should then be poured into a forced mixer, e.g. Mixall, Pennine or Creteangle, and the Filler component slowly added under constant mixing until a uniform consistency has been achieved.

#### **Application**

Apply the mixed Resbuild SL Screed A.S. at 2mm – 3mm by serrated trowel or screed box. Within 20 minutes, spike roller the Resbuild SL Screed A.S. in order to de-aerate it. Existing joints in the floor must be carried through the screed.

#### **Curing**

Light foot traffic may be allowed after 24 hours drying @ 20°C and full trafficking after 48 hours @ 20°C.

Optimum chemical resistance will be achieved after 7 days @ 20°C.

Note: At higher temperatures the above cure times will be reduced, at lower temperatures they will be increased.

#### **Equipment Cleaning**

Clean all equipment immediately after use with Resbuild Toolclean

**Storage and Shelf Life**

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 20°C.

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

**Coverage**

A 25kg pack is sufficient to cover an area of 7m<sup>2</sup> at a thickness of 2mm.

**Limitations**

Do not apply to uncured or contaminated surfaces.  
Do not apply at temperatures of 3°C or less.  
Do not apply to Asphalt or unmodified sand/cement screeds.

**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 SL Screed A.S. shall be applied strictly in accordance with the manufacturer's instructions

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

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).