

### Description

Resbuild SL Screed is a two part, self-levelling, Epoxy Screed.

Resbuild SL Screed has been designed to provide a hard wearing, impervious, seamless floor finish which is hygienic and easy to clean. Resbuild SL Screed, with its combination of attractive finish and excellent resistance to many chemicals, is suitable for a wide range of light industrial environments. Resbuild SL Screed is typically applied at thicknesses of between 2 and 3mm. Resbuild SL Screed is supplied as a three pack product, consisting of an Epoxy resin component, a Curing Agent component and a graded Filler component, all pre-weighed and ready for mixing.

### Typical Uses

Suitable for use in laboratories, pharmaceutical plants, hospitals, food preparation areas, electronic assembly factories etc.

### Advantages

- Fast application and cure
- Hard wearing
- Hygienic and easy to clean
- Excellent chemical resistance
- Very good adhesion to concrete
- Seamless
- Range of colours

### Typical Properties

Colours: Light grey, red (any BS4800 or RAL colour 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, 10% sulphuric acid, 20% sodium hydroxide, petrol, lactic acid and bleach.

### Packaging

Resbuild SL Screed 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 a residual moisture content below 6%. Steel substrates shall be grit blasted to Sa 2.5 Swedish Standard, and degreased using Resbuild Toolclean

#### **Priming**

Prime the prepared surfaces using Resbuild Tackprimer, applying the material at a nominal rate of 5m<sup>2</sup>/kg. Allow the primer to cure overnight.

Note: If the surface is exceptionally porous it may be necessary to 'double prime'.

#### **Mixing**

Resbuild SL Screed 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 by serrated trowel or screed box. Within 20 minutes, spike roller the Resbuild SL Screed in order to de-aerate it. Existing joints in the floor must be carried through the screed. Always maintain a wet edge to the material during application.

#### **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 48 hours @ 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 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 5°C or less.

**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 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).