

### Description

Resbuild Quartzscreed is a three component, multi-coloured Quartz-based Epoxy resin floor system. It provides a hard wearing, non-slip, chemical resistant floor topping of aesthetically pleasing appearance. An attractive standard range of colour mixes exists, although individual designs can be custom made.

### Typical Uses

As a decorative, hygienic, and durable floor screed where aesthetics are an important consideration e.g. food production, electronic and engineering industries, printing, pharmaceutical production, hospitals, etc.

### Advantages

- Impermeable
- Very good chemical resistance
- Abrasion and impact resistant
- Hygienic and easily cleaned
- Slip resistant
- Unlimited number of colour possibilities

### Typical Properties

Colours: range

Pot Life: 50 – 60 minutes @ 20°C

Thickness: minimum 4mm, maximum 6mm

Compressive strength: 65 N/mm<sup>2</sup>

Flexural strength: 30N/mm<sup>2</sup>

Temperature range: during application, 3°C to 30°C

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

Chemical resistance: Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils and fruit juices. Please consult our technical section for specific advice.

### Packaging

Resbuild Quartzscreed is supplied in 25kg packs.

### Procedure

#### **Surface Preparation**

- a) Concrete 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. Blow holes and defective concrete shall be made good using a proprietary repair compound e.g. Resbuild Floorpatch. Suitable mechanical treatment, such as vacuum grit blasting is the preferred treatment prior to application, as this ensure a mechanical 'key' which will optimise adhesion
- b) Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish standard. All dust shall be removed prior to coating application. A coat of Resbuild Steelprime shall be applied as soon as practicable after blasting, in order to obviate the possible occurrence of 'flash rusting'.

#### **Priming**

- a) Concrete surfaces shall be primed with a coat of Resbuild Tackprimer, applied by brush, roller, or airless spray, at the nominal rate of 0.25kg/m<sup>2</sup>. Long nap lambs wool rollers are recommended for primer application. Allow primer to cure for a minimum of 10 minutes.
- b) Steel surfaces shall be primed with Resbuild Steelprime (see section b above)

#### **Mixing**

Resbuild Quartzscreed is supplied as a three pack material consisting of; the RESIN component, the CURING AGENT component, and the COLOURED QUARTZ component.

Add the CURING AGENT component to the RESIN component and mix thoroughly, preferably by mechanical means for a minimum of 2 minutes. Pour the contents into a mixing vessel, and add the COLOURED QUARTZ component whilst stirring. A low speed drill with paddle attachment may be used, or else a forced action mixer e.g. Creteangle type.

#### **Application**

Spread the Resbuild Quartzscreed to the desired thickness, and trowel finish

#### **Sealing**

The application of a clear sealer is recommended to reduce tendency towards staining and dirt pick up, and thereby ensure optimum ease of cleaning: Apply 1 coat of Resbuild Screedseal, single pack, water-based polyurethane sealer, at a nominal rate of 0.15litres/m<sup>2</sup>. Resbuild Screedseal will provide a satin or matt finish.

#### **Equipment Cleaning**

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

## **Curing**

Allow to cure for a minimum of 10 hours @ 20°C prior to overcoating or light foot traffic access

7 days cure @ 20°C is recommended prior to exposure to chemicals.

Curing will be slower at lower temperatures and faster at higher temperatures.

## **Storage and Shelf Life**

Store in dry conditions at temperatures between 10°C and 25°C and out of direct sunlight. Adequate ventilation of the storage areas should be provided. Keep containers tightly closed when not in use.

Resbuild Quartzscreed 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 2m<sup>2</sup> at a thickness of 6mm.

## **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.

Please refer to Material Safety Data Sheet for additional information.

Resbuild Quartzscreed 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).