

### **Description**

Resbuild Deckcoat is a two pack solvent free resin coating modified to impart toughness, resilience and waterproofing properties to the cured film. The abrasion and impact resistance, together with the low temperature flexibility and excellent adhesion to concrete, make Resbuild Deckcoat an ideal material for use as a membrane subjected to vehicular traffic. By broadcasting a layer of Quartz or Aluminium Oxide between coats, a slip or skid-resistant surface profile can be achieved.

### **Typical Uses**

As a slip-resistant membrane for car parks, ramps, plant rooms, walkways, etc.  
As a protective lining for chemical bunds where a flexible membrane is required.

### **Advantages**

- Tough and hardwearing
- Flexible
- Excellent abrasion and impact resistance
- Proven chemical resistance
- Low odour during application
- Range of Colours
- Good water and weathering resistance
- Non-slip or non-skid finish available

### **Typical Properties**

Pot life @ 20°C: 60 Minutes  
Colours: Grey, Green, Red as standard (BS4800 or RAL colours can also be supplied)  
Minimum overcoating interval: 12 hours @ 20°C  
Maximum overcoating interval: 48 hours @ 20°C  
Tensile strength: 9MPa (7 days cure @ 20°C)  
Elongation at break: 85% @ 20°C  
Chemical resistance: Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils. Specific advice will be provided by our Technical Department.

### **Packaging**

Resbuild Deckcoat is supplied in 5kg and 15kg packs

### **Procedure**

#### **Surface Preparation**

- a. All surfaces 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 prior to coating application. New concrete surfaces must be a minimum of 21 days old and/or have a residual moisture content below 6%. Steel substrates shall be grit blasted to Sa2.5 Swedish standard.

#### **Priming**

A primer coat of Resbuild WB Primer is recommended on concrete substrates.

Apply the Resbuild WB Primer at a nominal rate of 0.2kg per m<sup>2</sup> in accordance with the product data sheet instructions. Allow the milky colour of the primer to disappear before overcoating. This will typically be between 1-4 hours, depending on temperature and ventilation conditions.

A primer coat of Resbuild Steelprime is recommended on steel substrates. Please refer to Resbuild Steelprime product data sheet for additional information.

#### **Mixing**

Pour the contents of the CURING AGENT container into the BASE container and thoroughly mix, preferably by mechanical means, until a uniform colour is achieved.

#### **Application**

Apply by brush or roller at a nominal rate of 0.3kg/m<sup>2</sup> per coat, with a minimum of 12 hours between coats.

- Slip-resistant profiles may be achieved by broadcasting an appropriate aggregate on to the first coat whilst wet. The following day any surplus aggregate may be swept from the surface before applying a second coat of Resbuild Deckcoat. Depending on the size and shape of the aggregate used, the application rate of the second coat of Resbuild Deckcoat will be 0.4-0.6kg/m<sup>2</sup>, owing to the increased surface area.

#### **Equipment Cleaning**

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

#### **Curing**

Allow to cure for a minimum of 24 hours @ 20°C prior to light foot traffic access and 48 hours @ 20°C prior to vehicular trafficking.

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

### **Storage and Shelf Life**

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.  
Resbuild Deckcoat has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

### **Coverage**

A 5kg pack is sufficient to coat 8.3m<sup>2</sup> of surface with the recommended two coat treatment, providing an overall d.f.t. of 450 microns approx. Coverage will be reduced with slip-resistant systems because of the increased surface area to be covered with the second coat.

### **Limitations**

Do not apply to wet or uncured concrete surfaces.  
Do not apply at temperatures of 3°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 Deckcoat shall be applied strictly in accordance with the manufacturers 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).