

*Fast Curing Water Based Epoxy Coating  
High performance, water-based floor and wall coating*

Resbuild WB Coating, Fast Cure, is a high performance, water dispersible Epoxy coating for the treatment of floors and walls, and is designed to be user and environmentally friendly, containing no solvents and being of a very low odour during application.

**Advantages**

- Fast Curing
- May be applied to dry or damp surfaces
- Available in a range of colours
- Low odour
- Easily applied
- Excellent resistance to water, oils, skydrol, petrol, dilute acids, alkalis, and many solvents
- Very good adhesion to concrete
- Hygienic and easily cleaned
- Matt and Gloss options

**Typical Uses**

- As a floor covering in food factories, abattoirs, dairies, laboratories, etc.
- As a hygienic, easily cleanable surface on walls, ceilings, etc.

**Technical Information**

Colours	Wide range of BS4800 & RAL Colours available on request
Pot life 20°C	80 Minutes
Foot traffic 20°C	6 Hours
Vehicle Traffic 20°C	12 Hours
Adhesion to concrete	4 MPa (Concrete Failure)
PTV Values (Smooth)	64 Dry 45 Wet
PTV Values (With Texturing Additive)	60 Dry 48 Wet

<b>UK CA</b>	
Resin Building Products Ltd Resbuild House, Unit 4, Durham Lane, Doncaster, DN3 3FE	
CPR-RBP-017-002 EN1504-2 Surface Protection Systems for Concrete 1.3 & 5.1	
Abrasion Resistance	80mg weight loss (CS17 wheels; 1kg loads, 1000 cycles)
Impact Resistance	≥20Nm
Adhesion Strength by Pull-off Test	>2MPa
Compressive Strength	≥50MPa
Capillary Absorption (water permeability)	< 0.1kg/(m <sup>2</sup> .h <sup>0.5</sup> )
Permeability to CO <sub>2</sub>	CO <sub>2SD</sub> > 50 m
Permeability to Water Vapour	Class III

**Chemical Resistance**

Good resistance to light detergents, vegetable oils, skydrol. Please consult our Technical Department for specific advice.

**Coverage**

Nominal application rate 0.2 – 0.25kg/m<sup>2</sup>/coat. Minimum of 2 coats recommended.

**Packaging**

Resbuild WB Coating Fast Cure is supplied in 5kg and 15kg packs.

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**ESTABLISHED  
1995**

### Application Conditions

Do not apply to wet or uncured concrete surfaces. The minimum application temperature is 5°C although please note that curing times will be significantly extended at low temperatures. Under certain site conditions below 10°C there is a risk of whitening (blooming).

In poorly ventilated areas forced extraction must be provided.

### Surface Preparation

- **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 and existing paint finishes etc. Blow holes and defective concrete shall be made good using a proprietary repair compound e.g. Resbuild Floorpatch or Resbuild EPA. Block work walls shall be sealed using Resbuild Surfacer. Diamond grinding or shot blasting is the preferred preparation method prior to application as this ensures that a suitable mechanical 'key' is achieved.

### Priming

- Porous or dusty surfaces shall be primed using Resbuild WB Primer Fast Cure.

Please consult the relevant product data sheets for further information.

### Mixing

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

The mixed material may be thinned by the addition of up to a maximum of 10% by volume of clean, potable water.

### Equipment Cleaning

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

### Application

Apply by brush, roller, or airless spray at a nominal rate of 0.20 to 0.25kg/m<sup>2</sup>. per coat, equivalent to a dry film thickness of 100-125 microns.

A minimum two coat treatment is recommended, applying subsequent coats after a minimum interval of 6 hours cure at 20°C. Ensure good ventilation after application, as this speeds up the physical drying stage of the curing process.

Should a non-slip finish be required, a suitable Quartz should be scattered onto the first coat whilst still wet. The following day any excess Quartz may be swept from the surface using a clean brush prior to application of the second coat.

For a lightly textured finish it is possible to incorporate polypropylene beads into the coating. Please consult our Technical Department for guidance.

### Curing

Allow to cure for a minimum of 6 hours @ 20°C prior to light foot traffic access and 12 hours @ 20° prior to vehicular trafficking.

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

Good ventilation is essential for satisfactory cure.

Lower temperatures will extend the curing time.

### Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.

Resbuild WB Coating Fast Cure, has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

### 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 WB Coating, Fast Cure, 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.