

*Clear, Solvent-Free Epoxy Resin  
Excellent clarity, even in thick section*

Resbuild Crystal Coat is designed for applications where thicker sections of a clear resin is required, e.g. for encapsulation.

**Advantages**


- Excellent clarity in thicker sections
- Excellent UV stability
- High Gloss
- Low V.O.C., low odour
- Excellent adhesion to concrete and stonework
- Good chemical resistance

**Typical Uses**

- As a clear casting or encapsulation resin for thicknesses in excess of 500µm.

**Technical Information**

Colours	Clear
Pot life 20°C	30 Minutes
Foot traffic 20°C	24 Hours
Vehicle Traffic 20°C	48 Hours
Adhesion to concrete	4 MPa (Concrete Failure)

	
Resin Building Products Ltd Resbuild House, Unit 4, Durham Lane, Doncaster, DN3 3FE	
CPR-RBP-001-003 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 oil, petrol, diesel & de-icing salts. Exposure to some chemicals may lead to discolouration, bleaching, or loss of gloss from the surface. Please consult our Technical Department for specific advice.

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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).

### **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 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**

Not normally required.

### **Mixing**

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

### **Application**

Apply by brush, roller, squeegee or simply by pouring onto the prepared surface at the desired thickness.

### **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° prior to vehicular trafficking.

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

Lower temperatures will extend the curing time.

### **Coverage**

A 5kg pack of Resbuild Crystal Coat will cover 4.6m<sup>2</sup> of surface at a thickness of 1mm.

### **Packaging**

Resbuild Crystal Coat is supplied in 1kg, 2kg and 5kg packs.

### **Storage and Shelf Life**

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

Do not expose to freezing conditions.

Resbuild Crystal Coat 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 Crystal Coat 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.