

*Chemical Resistant Epoxy Primer
Excellent adhesion to concrete*

Resbuild Ultraprime is a two-pack epoxy primer & sealer.

Advantages

- Solvent free, low odour
- Excellent adhesion to concrete and steel
- Impervious to water
- Low viscosity, easily applied
- Pre-packaged units ready for use
- Exceptional chemical resistance

Typical Uses

- As a primer for concrete prior to the application of Resbuild Ultracrete, Ultrascreed or Ultraflow.
- As a protective treatment to exposed steel reinforcement or concrete, especially in aggressive chemical environments..

Technical Information

Colour	Clear
Pot life 20°C	20 Minutes
Foot traffic 20°C	12 Hours
Vehicle Traffic 20°C	48 Hours
Full Chemical Resistance 20°C	7 Days
Adhesion to concrete	4 MPa (Concrete Failure)

Chemical Resistance

Excellent resistance to acids, alkalis, solvents, oil, petrol, diesel, vegetable oils, raw sewage etc. Please consult our Technical Department for advice on specific substances.

UK CA	
Resin Building Products Ltd Resbuild House, Unit 4, Durham Lane, Doncaster, DN3 3FE	
CPR-RBP-001-008 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 ² .h ^{0.5})
Permeability to CO ₂	CO _{2SD} > 50 m
Permeability to Water Vapour	Class III

Packaging

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

Coverage

Nominal application rate of 0.3kg/m²/coat.

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**ESTABLISHED
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Application Conditions

Do not apply to wet or uncured concrete surfaces. The minimum application temperature is 3°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 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.
- **Steel** surfaces shall be shot blasted, or grit blasted to a nominal Sa 2.5 Swedish standard. All dust and grease shall be removed prior to coating application. If a delay is likely to occur between blasting and application, then it is recommended that a coat of Resbuild Steelprime is applied as a holding primer to obviate flash rusting.

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 0.3 to 0.5kg/m². Ensure that the surface is thoroughly wetted out. Allow the primer to "tack up" for a minimum of 10 minutes prior to the application of Resbuild Ultracrete, Resbuild Ultrascreeed or Resbuild Ultraflow. In thin section the primer will remain "open" for 60 minutes @ 20°C, within which time subsequent application should be carried out. Should this period be exceeded then the surface must be re-primed prior to continuing.

Equipment Cleaning

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

Curing

Allow to cure for a minimum of 4 hours @ 20°C prior to overcoating.
Allow a minimum of 7 days cure @ 20°C for optimum chemical resistance.

Storage and Shelf Life

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