

Penetrative Sealer for Concrete & Screeds Reinforces & Stabilises

Resbuild EPS is a two-pack, low-viscosity, solvent-free epoxy sealer which deeply penetrates into cementitious substrates thereby reinforcing and stabilising them.

Advantages

- Minimises remedial timescales and disruption
- Durable
- Overcoatable with subsequent top-coats
- Excellent adhesion
- Low odour, zero V.O.C.
- Easy to apply

Typical Uses

- Reinforcement / consolidation of unstable or porous cementitious screeds.
- To re-bond failed screeds.
- As a dust proofer/sealer.
- Internal and external slab applications.
- As a deep penetrating primer for coating systems.

Technical Information

Pot life 20°C	20 Minutes (When spread quickly)
Foot traffic 20°C	8 Hours
Vehicle Traffic 20°C	12 Hours
Adhesion to concrete	4 MPa (Concrete Failure)

	
Resin Building Products Ltd Resbuild House, Unit 4, Durham Lane, Doncaster, DN3 3FE	
CPR-RBP-013-001 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

Resbuild House, Unit 4 Durham Lane, Armthorpe, Doncaster, DN3 3FE
Tel. +44 (0) 1302 300822

sales@resbuild.co.uk ■ www.resbuild.co.uk

ESTABLISHED

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Application Conditions

Do not apply at temperatures below 10°C or if there is a risk of frost during the curing period. Do not use after the pot life quoted above.

Under certain site conditions, and where in contact with moisture during cure, the material may bloom (whiten).

Surface Preparation

The substrate shall be clean and free from dirt, dust, oil and grease. And any residues of release agent, existing floor coatings and other contaminants shall be removed by mechanical means, taking care to then remove any dust with an industrial vacuum cleaner.

Mixing

Pour the contents of the Curing Agent component into the container in which the Base component is supplied. Mix together by mechanical means, e.g. by slow speed drill with paddle attachment until a uniform consistency is achieved.

Pour out and spread the material immediately after mixing to extend the working time.

Due to the exotherm created on cure, do not allow the mixed material to cure in bulk, as this could create smoke or fume. Should this happen, and if safe to do so, move containers outside and pour dried sand into the containers to suppress the reaction.

Do not inhale the fumes or smoke and wear appropriate PPE.

Application

Apply with squeegee or roller at a nominal of 1 -5kg/m². Average coverage is typically 2 – 3Kg/m², although a small trial area is recommended to ascertain the actual coverage for a project.

Fine quartz sand can be broadcast onto the surface to provide a key for subsequent floor finishes, alternatively a second coat of Resbuild EPS can be applied (following 6 – 8 hours cure of the first coat) and sand blinded to produce a key.

Curing

Allow to cure for a minimum period of 8 hours @ 20°C prior to foot trafficking.

Equipment Cleaning

Clean equipment with Resbuild Toolclean, or a blend of Resbuild Toolclean and water immediately after use.

Coverage

Coverage rates vary depending on substrate porosity & condition. Material is typically applied between 1-5kg/m².

Packaging

Resbuild EPS is supplied in 5kg & 10kg Packs.

Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 5°C and 25°C. Resbuild EPS 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 EPS 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.