

Flowable and high strength Epoxy grout

Resbuild Epoxy Grout is a pourable, resin-based grout with high mechanical strength for gap widths of 10 – 100mm.

Advantages


- High Strength
- Very good flow properties
- Excellent mechanical properties
- Waterproof
- Very good chemical & weather resistance
- Minimum creep
- No primer required, excellent adhesion
- Pre-weighed components for ease of use

Typical Uses

- For precision grouting of machine bases, crane-rails, high speed turbines, drop forges, and other operating equipment subject to heavy dynamic loading.

Technical Information

Specific gravity	2.08
Pot life 20°C	30 - 40 Minutes
Touch dry 20°C	4 Hours
Hard dry 20°C	6 Hours
Shore D hardness	75
Tensile strength	15 MPa
Flexural strength	36 MPa
Adhesion to concrete	4 MPa (Concrete Failure)
Compressive Strength	10 Hours: 40 MPa 12 Hours: 60 MPa 24 Hours: 90 MPa 7 Days: 100 MPa

	
Resin Building Products Ltd Resbuild House, Unit 4, Durham Lane, Doncaster, DN3 3FE	
CPR-RBP-046-001 EN1504-3 Structural and non-structural repair methods 3 and 4 EN1504-6 Anchoring of reinforcing rebar	
Compressive strength	Class R4 (≥45MPa)
Adhesion strength by pull-off test	≥2.0MPa
Chloride Ion Content	≤0.05%
Determination of shrinkage and expansion	Shrinkage 2.9MPa Expansion 2.8MPa
Elastic modulus	≥20GPa
Testing of anchoring products by the pull-out method	≤0.6mm
Creep under tensile load	≤0.6mm
Glass Transition Temperature	>45°C
Fire Classification	Class C
Dangerous Substances	Complies with 5.3 (EN1504-6) 5.4 (EN2404-3)

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ESTABLISHED

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Application Conditions

Do not apply to wet or uncured concrete surfaces.
Do not apply at temperatures of 3°C or less.

Surface Preparation

- A. Concrete substrates shall be sound, clean, and free from dust, dirt, grease, oils, laitance, and other contaminants. A roughened or profiled surface will ensure optimum adhesion.
- B. Mild steel and other metallic substrates shall be degreased, power wire brushed, or grit blasted and vacuumed free from dust.
- C. Other substrates shall be sound, clean, and free from dust, dirt, grease, oil, and any oxidised surface layer.

Mixing

Resbuild Epoxy Grout is supplied as a 3-pack material: BASE component, CURING AGENT component and the FILLER component.

Mix the BASE and CURING AGENT components under mechanical stirring, and gradually blend the FILLER into the mixed resin components for 1-2 minutes.

Application

Pour the mixed grout from one side, ensuring a sufficient hydrostatic, 'head of grout' is created to achieve the desired flow.

Where multiple mixes are required to fill the void ensure that no delay occurs between mixes.

Do not vibrate the material.

Equipment Cleaning

Clean equipment immediately after use with Resbuild Toolclean.

Curing

Full mechanical properties will be achieved following 7 days cure at 20°C. Lower temperatures will extend the cure time.

Packaging

Resbuild Epoxy Grout is supplied in 26Kg packs, yielding approximately 12.5 litres of material.

Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C.

Protect from frost.

Resbuild Epoxy Grout has a minimum of 12 months shelf life when stored in original, unopened containers in accordance with manufacturer's instructions.

Health and Safety

Wear gloves and goggles

Wash off splashes immediately with soap and water.

Please refer to Material Safety Data Sheet for additional information

Resbuild Epoxy Grout 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.