



Technical Data Sheet

BC Poxy Putty 3000

High-Strength, Non-Slumping, Two-Component Epoxy putty

1). Product Description

BC Poxy Putty 3000 is a high-strength, non-slumping, two-component epoxy putty formulated for multipurpose repair, bonding, and bedding applications. It forms a tough, resilient, and chemically resistant compound ideal for both structural and protective uses.

Once cured, BC Poxy Putty 3000 provides superior adhesion to concrete, steel, and masonry surfaces, offering exceptional durability in horizontal, vertical, and overhead applications.

2). Features & Benefits

- Forms a high-strength, non-slump, non-shrink epoxy bedding system.
- Easy 1:1 mixing ratio with smooth, workable consistency.
- Excellent adhesion to concrete, steel, and most construction materials.
- Resistant to impact, vibration, and a wide range of corrosive chemicals.
- Non-toxic and safe for use in confined or industrial environments.
- Ideal for structural repair, bonding, anchoring, and crack filling applications.

3). Primary Applications

- Crack and pinhole repairs in decks, floors, and concrete slabs.
- General adhesive for bonding metal, stone, or tiles to concrete or steel substrates.
- Anchoring epoxy for reinforcement bars and anchor bolts.
- Sealing of dry cracks, gaps around pipes, and surface packers for injection systems.
- Surface leveling or repair before application of epoxy coatings and linings.
- Bedding of fixtures, bearings, or plates requiring high compressive strength.



4). Technical Properties

Property	Typical Values	Test Method / Remarks
Appearance	Smooth, non-slumping paste	Visual
Color	Grey	-
Type	Two-component epoxy putty	-
Mixing Ratio (by weight/volume)	1 : 1 (Part A : Part B)	Manual or mechanical mixing
Density (mixed)	1.70 g/cm ³	ASTM D792
Compressive Strength	38 N/mm ² (≈5600 psi)	ASTM C579
Tensile Strength	5 N/mm ² (≈725 psi)	ASTM D638
Flexural Strength	11 N/mm ² (≈1600 psi)	ASTM D790
Bond Strength	≥ 6 N/mm ²	ASTM C882
Pot Life	30 minutes at 25°C	ASTM C881
Full Cure	7 days at 25°C	-
Shrinkage	Negligible (non-shrink)	-
Toxicity	Non-toxic	-
Application Temperature	+10°C to +45°C	-



Chemical Resistance

Chemical	Concentration	Resistance
Sewerage	-	Excellent
Nitric Acid	10%	Good
Acetic Acid	5%	Limited
Diesel / Petrol	-	Excellent
Sodium Hydroxide	10%	Excellent
Sulphuric Acid	10%	Good
Seawater	-	Excellent

5). Surface Preparation

- Concrete surfaces must be sound, clean, and dry, free from oil, grease, paint, laitance, or dust.
- Mechanical surface preparation is essential using grinding, scarifying, or shot-blasting equipment to achieve a rough, open-textured surface.
- Remove all residues using vacuum cleaning or pressure washing.
- Acid etching is only acceptable when mechanical preparation is impractical and must be followed by thorough washing and drying.
- Steel surfaces should be cleaned to SA 2.5 standard before application.

6). Mixing Instructions

1. Mix Part A (resin) and Part B (hardener) in equal parts (1:1 by weight or volume).
2. Add Part B into Part A and mix thoroughly using a low-speed drill (300–400 rpm) with a mixing paddle for approximately 3 minutes until uniform color and consistency are achieved.
3. Avoid air entrapment during mixing.
4. For improved workability, use a small amount of BC Epoxy Solvent on tools (do not dilute the mixture).

7). Application Guidelines

- Apply the mixed material using a trowel, spatula, or putty knife, depending on the surface profile.
- For crack filling, press the putty firmly into the crack to eliminate air pockets.
- For bedding or anchoring, fill the void or hole completely and insert the fixture while rotating gently.
- Smoothen the surface using a trowel moistened with BC Epoxy Solvent.



8). Packaging

Packaging Type	Net Content	Color
Kit	10 kg (Part A + Part B)	Grey

9). Shelf Life & Storage

- 12 months in unopened containers when stored in a cool, dry, and shaded area, between +5°C and +35°C .
- Away from direct sunlight and sources of heat.
- Reseal containers tightly after use.

10). Health & Safety

- Avoid contact with skin and eyes; wear protective gloves and goggles during mixing and application.
- Ensure adequate ventilation in confined spaces.
- Refer to the latest Safety Data Sheet (SDS) for detailed health and safety information.
- Store materials away from ignition sources and incompatible chemicals.

DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

