BCI BUILDING CHEMISTRY INDUSTRY

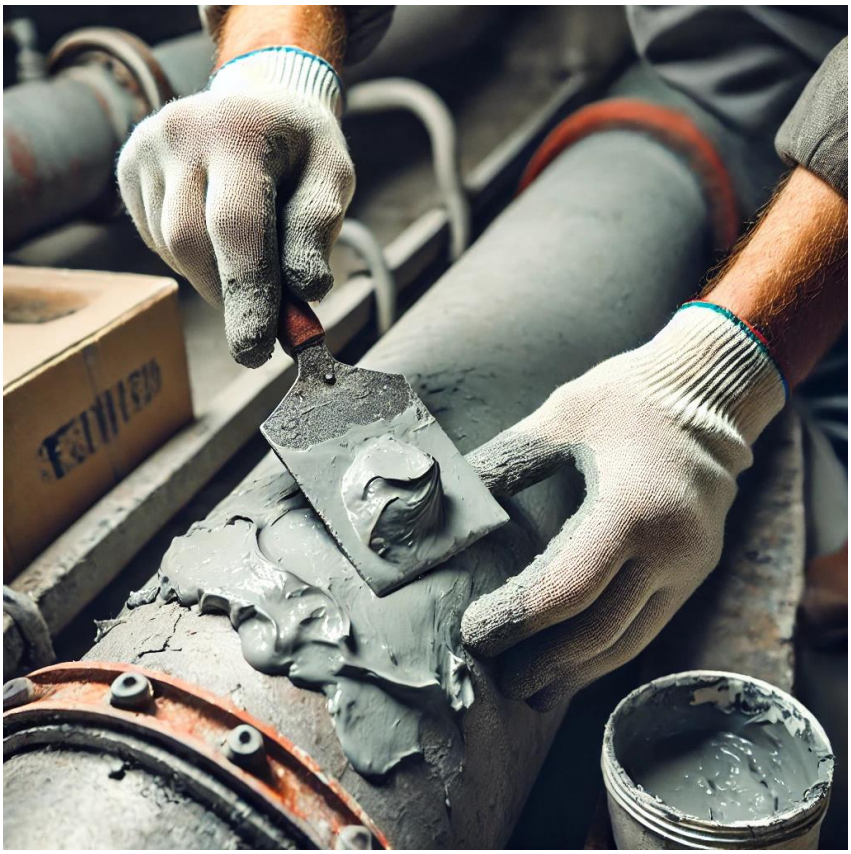
Method Statement for BC poxy Putty 3000 Application

1. Purpose

The purpose of this method statement is to define the procedure and requirements for applying epoxy putty to surfaces, ensuring a smooth and durable finish for repairs or reinforcements.

2. Scope

This procedure applies to the application of epoxy putty on surfaces such as concrete, metal, and pipes in industrial or commercial settings for filling cracks, sealing joints, and reinforcing structural elements.



3. Materials and Equipment

Epoxy Putty (BC poxy putty 3000)
Surface preparation tools (grinders, wire brushes)
Cleaning agents (solvent, degreaser)
Putty knife or spatula
Sandpaper
Mixing board and tools
Personal protective equipment (gloves, goggles, mask)

4. Preparation

Inspection of Surface

Inspect the surface for any damage or irregularities. Determine if the surface is suitable for epoxy putty application.

Surface Cleaning

Remove any dirt, grease, oil, or contaminants from the surface using a suitable cleaning agent (solvent or degreaser).

Ensure the surface is dry before proceeding.

Surface Roughening

Roughen the surface using sandpaper, a wire brush, or a grinder to enhance bonding. Ensure a clean, dust-free finish after roughening.

Surface Protection

Mask off adjacent areas that do not require epoxy application to avoid contamination.

5. Mixing of BC poxy Putty 3000

Proportioning

Ensure accurate measurement of the two components (epoxy resin and hardener) as per the manufacturer’s instructions.

Mixing

Thoroughly mix the resin and hardener until a uniform color and consistency are achieved. Perform this on a clean mixing board or container.

Follow the manufacturer’s guidelines regarding pot life and working time after mixing.

6. Application Process

Initial Application

Using a putty knife or spatula, apply the mixed epoxy putty to the surface, pressing it firmly to ensure it fills any cracks or voids.

Layering

Build up the putty in layers if the void is deep. Allow each layer to set slightly before applying the next one.

Smoothing

Smooth the surface with a putty knife to achieve a uniform, even surface. Remove excess material.

Final Checks

Ensure that the applied putty is properly shaped and aligned with the surface. Adjust as necessary.

7. Curing Time

Allow the epoxy putty to cure as per the manufacturer’s recommended curing time. Avoid disturbing the area during this period.

Check ambient temperature and humidity as they can influence curing times.

8. Finishing

Sanding

Once the epoxy putty is fully cured, sand the surface to achieve a smooth finish, if necessary.

Painting or Coating

If required, apply a protective coating or paint over the epoxy putty after curing to match the surrounding surface.

9. Safety Precautions

Always wear personal protective equipment (gloves, goggles, mask) during surface preparation, mixing, and application.

Ensure proper ventilation in enclosed areas.

Follow the manufacturer's safety guidelines for handling epoxy resin and hardeners.

10. Quality Control

Inspect the completed work to ensure that the epoxy putty is well-adhered, the surface is smooth, and there are no voids or weak spots.

Verify that the putty has cured according to specifications before any further work is performed.