

Method statement for application of two component BC Poly asphartic coating material BC PA Hard

1. Purpose

The purpose of this method statement is to ensure that BC polyaspartic Soft coating is applied correctly and safely on the designated surface, meeting the required specifications and standards.

2. Scope

This method statement covers the surface preparation, mixing, application, curing, and inspection of BC polyaspartic coating Soft on concrete, metal, or other substrates as specified.



3. Materials

BC Polyaspartic coating (base and hardener components) -Soft
Primer
Crack filler or repair material
Cleaning solvents (e.g., acetone)
Anti-slip aggregates (if specified)

4. Tools and Equipment

Diamond grinder or shot blaster (for surface preparation)
Industrial vacuum cleaner
Mixing equipment (low-speed drill with a mixing paddle)
Rollers (short nap) and brushes
Squeegee (for large areas)
Spiked shoes (for walking on wet coating)
Personal protective equipment (PPE) such as gloves, goggles, respirators

5. Safety Precautions

Ensure proper ventilation in the work area.
Use appropriate PPE such as gloves, goggles, and respirators.
Avoid direct contact with skin and eyes.
Follow the manufacturer's safety data sheets (SDS) for all materials.
Keep fire extinguishers nearby, as polyaspartic coatings can be flammable.

6. Surface Preparation

Inspection: Check the surface for contamination, moisture, and structural integrity.
Cleaning: Remove any grease, oil, or contaminants using appropriate cleaning agents.
Grinding/Blasting: Use a diamond grinder or shot blaster to prepare the surface. Ensure a CSP (Concrete Surface Profile) of 2-3, depending on the manufacturer's recommendations.

Dust Removal: Clean the surface thoroughly with an industrial vacuum cleaner to remove all dust and debris.

Crack Repair: Fill any cracks or voids using an appropriate repair material and allow to cure according to the manufacturer's instructions.

7. Application Process

Priming

Apply the primer coat as per the manufacturer's instructions.

Allow the primer to become tack-free before applying the polyaspartic coating.

Mixing Polyaspartic Coating:

Mix the base and hardener components in the recommended ratio using a low-speed drill with a mixing paddle.

Mix thoroughly for 2-3 minutes until a homogenous mixture is obtained.

If anti-slip aggregates are required, add them after the initial mixing and mix again until evenly distributed.

Application:

First Coat: Pour the mixed material onto the surface and spread it using a squeegee, then back-roll with a roller for an even finish.

Second Coat (if required): After the first coat has cured (usually 2-4 hours), apply a second coat in the same manner as the first. Ensure no dust or debris has settled on the surface between coats.

Detailing:

Use brushes for edges and hard-to-reach areas.

For a non-slip finish, broadcast the anti-slip aggregate evenly over the wet coating, and then back-roll to encapsulate the aggregate.

8. Curing

Allow the coating to cure according to the manufacturer's guidelines, typically 24 hours for light traffic and 48-72 hours for full curing.

Protect the area from dust, dirt, and moisture during the curing period.

9. Inspection and Quality Control

Conduct a visual inspection to ensure uniform coverage and adhesion.
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Check for pinholes, bubbles, and other defects.

Measure the coating thickness using a thickness gauge to ensure compliance with specifications.

10. Clean-up and Disposal

Clean all tools and equipment with the recommended solvent immediately after use.

Dispose of any waste materials, empty containers, and cleaning rags as per local regulations and environmental guidelines.
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11. Records and Documentation

Maintain records of the batch numbers of the products used.

Document the surface preparation, environmental conditions, and curing times.

Prepare a report of the completed work with photos and inspection results.
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This method statement can be adjusted according to specific project requirements, manufacturer's instructions, and safety regulations.
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