

Method Statement for 100 Solid epoxy lining for utility pipeline

Purpose and Scope:

The Scope of this Method Statement for Epoxy Coating works is to outline and describe in detail the procedure, material, and labor required to undertake the work or activity in a safe and controlled manner. This will comprise the Epoxy Coating works and as specified in the Project Specification.

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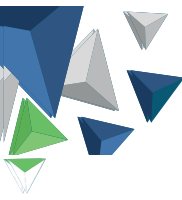
Products and Description
BC 250 Epoxy System build up
Substrate Requirements
Ambient and surface temperature
Substrate Preparation
Substrate Priming and Levelling
Mixing and Application of BC Epoxy 349 Primer
Mixing and application of BC 250 Epoxy
Tools and Equipment

This activity should be performed with strict compliance and implementation of Safety Requirements & procedures, standard practices, and project specifications to complete the work.

Delivery, Storage & Quality Control:

- Store at room temperature in sealed drums. The ideal storage temperature is below 35°C.
- Protect from moisture and moisture vapor.
- Close all drums after use.
- The whole application procedure shall be under continuous surveillance and auditing from quality control team to ensure strict adherence to the Method Statement.
- Deliver materials to the job site in the manufacturer's original, material wrapped with the manufacturer's name.
- Comply with the manufacturer's written instructions for proper material storage.
- Products.





Epoxy Materials:

Putty.
Primer.
Solvent-free epoxy resin coating

BC 250 Epoxy System Build Up:

Coating System, allied products details	
Joint Sealant BC Tec 40S	
Levelling (Epoxy Putty) 2000	BC epoxy Putty
Primer 349 Primer	BC Epoxy
Top coat Poxy 250	BC

Tools and Equipments:

Vacuum shot blasting machine.
Grinding machine.
Short/medium-haired roller.
Mixing vessel.
Hand tools, masking tape etc.
PPE.

Environmental, Health and Safety:

- Safety goggles, impermeable protective gloves and overall should always be worn when handling this product.
- Contaminated clothing should be removed immediately to prevent further skin contact.
- All the workers will have safety indications to increase awareness of health and safety.
- In case of spillage of Solvent-free epoxy resin floor coating the same will be wiped off by suitable absorber or spill kit.



Surface Preparation & Minor Repairs:

- Prior to application, Mock-up needs to be performed and approved by the Engineer.
- Prior to starting preparation, close the area to be prepared to all traffic and other trades.
- Run Shot Blasting or light grinding machine onto the concrete surface to achieve medium sandpaper roughness and open concrete surface pores.
- If any part of the floor is contaminated by oil, grease or fuel, the contamination should be removed before other forms of preparation are undertaken.
- Minor surface defects exposed during surface preparation such as minor cracks or pinholes shall be filled with epoxy mortar putty as per manufacturer's recommendation.
- Expansion joints are treated with BCI Polyurethane sealant BC Tec 40S
- Cracks and damages are covered by application of BCI Epoxy putty , BC Mortar 5000
- When floor preparation is complete, vacuum the area to remove all dust and debris
- Place 50mm wide masking tape along free edges.

Application of Primer coat:

BC Epoxy Primer 349 is a Two part epoxy exhibiting superior adhesion to concrete and steel. Used primarily as a primer/ sealer for concrete surfaces and top coated with a variety of chemically resistant toppings.

Prior to application both the components are thoroughly mixed with electrical jiffy mixer to ensure uniform mixing and mixed together in ration given in PDS

Mixed material is then applied by notched trowel to get desired thickness and spread evenly with spike roller

Application of Topcoat of Finish:

BC Poxy 250 a two-component solvent free epoxy system consisting of a base resin and hardener. It adheres perfectly to a variety of substrates like concrete, metal, wood, stoneware etc. Once cured the product transforms to an anti-dust, chemical resistant continuous nontoxic membrane. The applied coating is characterized by excellent abrasive resistance and mechanical strength.

Prior to application both the components are thoroughly mixed with electrical jiffy mixer to ensure uniform mixing and mixed together in ration given in PDS

Mixed material is then applied by high pressure airless spray / roller / brush to get desired thickness and spread evenly with spike roller

